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# HARRIS SEEDS

1918



NEW  
"MORETON PINK"  
ASTER

**Joseph Harris Co.**  
Moreton Farm  
Coldwater, N.Y.

# Free Seeds Worth 35c. with a \$1.00 Order

If your order includes seeds in *packets*, paid for at our regular list price, amounting to \$1.00 you may select extra seeds in *packets* to the value of 35c. and they will be sent free with the other seeds.

We do not allow any extra seeds unless the order includes seeds in *packets* to the amount of at least \$1.00. If the seeds ordered in *packets* amount to \$2.00 you may select extra seeds in *packets* to the amount of 70 cents. **This offer does not apply** to special collections of seeds sold at a reduced price. We can give no extra seeds with these collections.

**PLEASE NOTE.** This offer applies to orders for seeds in *packets* only and not to seeds ordered by the ounce, ¼ pound, 2 pounds, ½ pint, pint or quart. The extra seeds selected must be in *packets only* (not ounces, pounds, etc.) Please put the extra seeds you select separate on the order from the seeds you pay for. (Not including collections at a reduced price.)

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## SUCCESSFUL GARDENS

*"It gives me great pleasure to say that the seeds and plants we purchased from you in the spring were splendid, and our first garden venture a success in every way. The celery especially was much finer than old experienced farmers around here could raise. In fact, everything grew well. The flowers too were abundant."*

The above letter was received Sept. 19, 1917, from one of our customers at West Alden, N. Y. It is typical of many others we have received this year.

**S**UCCESS with the garden does not depend entirely upon the seed used. There are other conditions to be considered.—But, no garden can be really a success or produce what it should in return for labor and expense put into it, unless the seeds used are of the very highest quality. They must not only grow but must have in them the wonderful inherent power to produce the most desirable type of vegetable or flower. This inherent power can only come from long continued "breeding," and is often lacking in seeds that are raised in the cheapest way to get *quantity* rather than *quality*.

Assuming that good seeds are used the next important factor is soil. Many people who wish to do their bit in these war times have no choice as to soil and the location of their gardens. They must use what land they have and make the best of it. If the soil is naturally good sandy loam they can raise most garden crops without much trouble. But if the soil is clay and naturally hard,

and therefore unproductive, the vegetables that will succeed are more limited in number. If such soil is given a heavy dressing of stable manure, and an application of lime or wood ashes, very satisfactory results can be obtained with such crops as beans, cabbage, sweet corn, peas, spinach, tomatoes, etc. It is hard to raise melons, cucumbers, peppers, potatoes and similar crops on very heavy soil. Better raise what will do well on the land you have rather than to try to raise what you want.

### ABOUT SEEDS

As we have said above there is a great difference in the quality of seeds, both in their power to grow and also what they produce.

Harris' Seeds are not the only good seeds of course, but they are better than many others, and far better than most.

The reason for this is our seeds are grown largely on our own farm, and on neighboring farms under our personal supervision so that every care is taken to keep them pure and "well-bred." Our business is not so large that we cannot give it the personal care to each detail that is so essential to keep seeds up to the highest standard.

## ABOUT MORETON FARM

Moreton Farm is 5 miles west of Rochester in a very fine section of country. It consists of 235 acres which is all devoted to seed growing, except a few acres in orchard, and some Alfalfa for the 14 horses that are kept. We also conduct extensive trials of vegetables and flowers not only to compare our own stocks with others, but to try new varieties to be sure they are of real merit before offering them.

Our business is all conducted on the farm where we have many buildings devoted to seed storage and packing. Three drying houses for curing seed corn and other seeds; a seed cleaning house equipped with power cleaners; root storage cellars, etc.

With these facilities we can produce and take care of large quantities of seeds and put them in the best possible condition.

Our sweet corn, for example, is husked right off the standing stalks and the ears are placed at once in a drying house with a slow fire heat where they cure perfectly.

In the case of root crops, such as beets or carrots, the selection is made before the roots are set out. Perfect shaped roots of the right color are set out in a separate place and the seed saved to raise another crop from. It takes two years to get a crop of seed from such plants as carrots, beets, cabbage, etc., so it is a long slow process to improve a strain or establish a new one so it will "breed true." It cannot be done in a hurry.

### A SHORTAGE OF SEEDS

Owing to the fact that the usual supply of seeds from Europe will not be available, and the yield in this country was in many cases very small, there will not be half enough seeds of some kinds to supply the usual demand the coming season. The shortage is especially acute in cabbage, cauliflower, beets, beans, peas, parsnip and spinach seed.

We ask our customers not to order more of these seeds than they really must have. We want to furnish all with



This photograph shows a small part of our trial grounds. In the foreground is a trial lot of carrots laid out as they grew for inspection.

Such corn has very strong vitality and usually 99 to 100% germinates. We can dry 1500 bushels of corn at one time.

It is the same with many other seeds. If they are properly cured when harvested they will be of very much better vitality than if allowed to dry in the open during the damp fall weather.

### SEED BREEDING

The "breeding" or selection of the best types of vegetables and flowers for the production of seed is one of the most important parts of our work. Our seed crops are raised from what we call "stock seed." To get this we go over a crop of tomatoes, for instance, and select a few plants which bear perfect fruit of the right type for the variety. These plants are staked out and the seeds from them are saved separately to be used to raise another crop from which seed is to be saved. This crop is then inspected and all plants that do not produce the right type are pulled out. This is called "rogueing."

what seeds they actually need as far as possible, but we have such small quantities that we fear there will not be enough to go around, unless every one uses as small a quantity as possible.

Last season we were obliged to return many thousands of dollars to our customers because we could not supply the seeds they wanted. It is unfortunate that a similar condition faces us the coming season. It is really the duty of every one who uses seeds to see that none is wasted, and not to buy more of the kinds that are short than is actually needed this season.

There are always plenty of seeds of doubtful quality to be had. For instance, we could buy all the cabbage seed we need at a moderate price, *but*—the seed is offered by dealers whose reputation is not of the best, and we prefer not to handle it rather than to run the risk of sending our customers seeds that are not up to our usual standard. We could tell whether the seed would *grow* or not before sending it off, but what it would produce is another question.





## THE VEGETABLE GARDEN

In these times of high prices for food of all kinds and the desirability of producing all that is possible in the home garden, we need not point out the advantages of having delicious fresh vegetables from ones own grounds. Nearly every one is trying to produce at least something on every available foot of land they have. This is as it should be. But many people through lack of experience have not succeeded in getting as much for the time and labor expended as they might.

**Culture Guide.** We want all users of Harris' seeds to have good gardens. To aid them we have prepared a little pamphlet giving simple directions for sowing seeds of various kinds, both vegetable and flower seeds, and taking care of the crop. This pamphlet will be sent free with all orders amounting to 50c or more, if requested.

In the present catalogue we have tried to give as clear an idea as possible of the different varieties. Some kinds are suited to one use, and some to another. There is no "best" variety for all purposes and all conditions. We endeavor to give a clear description of each kind pointing out the undesirable qualities of each as well as the desirable ones.

We have to list a good many old kinds which have been superseded by better varieties, because many people are familiar with the names of the old kinds and do not know the new ones, and therefore want seeds of the kinds they used to raise. Such old varieties as Fottler's Drumhead cabbage, Golden Heart and Boston Market celery, Early Cory sweet corn, Marrowfat Peas, etc., should not now be used, as there are many similar kinds much superior in every way.

For a small garden where only a very limited space is available for vegetables we think the following kinds will give the most satisfaction:

**"String" Beans;** (Without strings!) for early "Bountiful"; for late "Scotia" (pole); **Beets;** Detroit Dark Red (two sowings); **Cabbage;** Stanley and Savoy; **Swiss Chard;** Silver Leaf. **Carrots;** Half Long or Chantenay. **Lettuce;** Salamander or Iceberg. **Parsley;** **Radish;** **Salsify.**

If you have enough room add a few tomato plants. A family will get more satisfaction from ten or a dozen hills of Scotia Beans, than from anything that can be raised in the same space. The quality of these beans is far superior to anything that can be bought at the stores, and the vines yield abundantly, so a few hills will supply a family all through August and September. There is no other bean

that we have ever eaten that equaled the Scotia in delicious flavor and tenderness.

## A GOOD LARGE GARDEN

Where there is enough room every family should have a garden that will furnish all the vegetables needed from early spring until winter. Such a garden should also include, of course, a nice assortment of flowers. Flowers can be grown where it is not practicable to raise vegetables, and they add greatly to the pleasure of gardening.

The first vegetable that can be procured from the garden in the spring is spinach which has remained over winter. To get this the seed should be sown about September 1st in New York state and New England, and later farther South.

The next to be ready for use is Asparagus. If any are so unfortunate as not to have a good Asparagus bed on the place, we are sorry for them, but it is not our fault. We raise the best roots we know how, and have for years urged every one to set them out. It takes two years to get a bed well established, but no time is gained by putting off the planting, which after all is a very simple matter. See page 7.

Next after Asparagus comes Peas, then Beans, Beets and a host of other good things.

Below we make some suggestions as to what to plant and about the quantities required by an ordinary family.

**ASPARAGUS.** Set out 100 to 200 roots, 2 feet apart.

**BEETS.** About 40 feet of row, 1 oz. of seed required.

**BEANS.** About 30 feet of row Wax or green pod, varieties for early use 20 feet Webber Wax or Stringless Green Pod;  $\frac{1}{2}$  pt. seed of each. 15 hills Scotia, for later use. 150 feet of row, Burpee's Bush Lima, using 1 qt. seed; or if preferred, 20 hills Pole Limas, Early Leviathan, 1 pt. of seed required.

**SWEET CORN.** About 50 hills each Pocahontas or Harris' Extra Early, Buttercup or Golden Bantam, Mimms' Hybrid, Country Gentleman and Egyptian. If you want to prolong the season still more plant Mimms' Hybrid 5 weeks later than the main crop.  $\frac{1}{2}$  pt. of seed of each kind.

**CUCUMBERS.** 10 hills Earliest of All or Early White Spine for very early, and 10 hills Harris' Perfection or Davis Perfect for later.

**CELERY.** 100 or 200 plants each of Golden Self-Blanching and French's Success, 1 pkt. seed of each kind. Better buy the plants than try to raise them.

**CABBAGE.** If early cabbage is desired plants must be started in frames in February or March, but for late crop the seed is sown in May. We recommend Stanley or Enkhuizen Glory for early, and Herald Savoy for late fall and winter use. 1 pkt. seed of each or 50 plants of early and 100 plants of late kinds. (We can furnish cabbage plants. See Plant Department on last pages.)



**CAULIFLOWER.** 50 plants Snowball, 1 pkt. seed, or buy the plants.

**BRUSSELS SPROUTS.** 50 plants, 1 pkt. seed.

**SWISS CHARD,** for greens. 20 feet of row, 1 pkt. seed.

**CARROTS.** If used as a vegetable, 25 feet of row; if merely for flavoring, 10 feet of row, 1 pkt. seed, Harris' Half Long or Chantenay.

**EGG PLANT.** 12 to 15 plants, 1 pkt. seed, Black Beauty.

**KOHL RABI.** Early White Vienna, 1 pkt.

**LETTUCE.** Plants for early crop should be started in frames. Wayhead, Holyrood Hot Weather, Deacon, Iceberg and Salamander are best heading varieties. 2 pkts. seed. We can furnish plants if desired. See Plant Department.

**MUSKMELONS.** Those who have good soil and a sunny situation can raise fine muskmelons. For early, Emerald Gem is excellent. For late, Admiral Togo, Irondequoit and Bender's Surprise are fine. 15 hills of early and 20 hills of late will be enough. 2 pkts. early, 3 pkts. late.

**WATERMELONS.** We do not advise amateur gardeners to raise watermelons in the Northern states unless they have light soil and plenty of room. Harris' Earliest and Hungarian Honey are good for the North, and Halbert Honey or Kleckley Sweets for further South.

**OKRA.** 20 feet of row, 1 oz. seed.

**ONIONS.** Green onions for early spring are raised by planting small sets. Set out a quart of white sets about 3 inches apart in the row. If dry onions are required for winter use, sow 1 oz. of seed early in the spring. Round Yellow Danvers is a good kind.

**POTATOES.** For early, 300 to 500 feet of row; Bliss' Triumph, Irish Cohler or White Hebron. For late, Green Mountain, Jr., or Golden Rural, both of fine quality.

**PEAS.** If an abundance of peas is desired, so as to have them every day during pea season, it will require the following: 1 qt. (100 feet of row) Surprise, 1 qt. Thomas Laxton or Laxtonian, 1 qt. Little

Marvel or Sutton's Excelsior, 1 qt. Alderman or Heroine, 1 qt. Horsford's Market Garden. Sow 3 or 4 weeks later 1 qt. Horsford's. These varieties will mature in the order named and will give a constant supply of green peas as long as they last.

**PEPPER.** 10 plants each, Neapolitan of Harris' Earliest and Giant Cayenne, 1 pkt. each.

**PARSNIPS.** 25 feet of row, 1 oz. of seed.

**PARSLEY.** 10 feet of row, Dwarf Perfection, 1 pkt.

**RADISH.** For forcing in frames the round extra early varieties are best, and many order them for open ground also. It is well to sow some radish seed in September for fall use.

**RHUBARB.** 1 doz. roots set 3 feet apart.

**SPINACH.** 100 feet of row will produce a good lot of spinach if it is on rich ground and the plants thinned out to 3 or 4 inches apart. 1 oz. Viroflay, 1 oz. Eskimo for spring sowing and 1 oz. Round Leaved Winter for wintering over. Sown September 1st, spinach will be ready for use in the late fall and will last over winter with slight protection and be available for use as soon as the snow goes off in the spring.

**SQUASH.** For summer use 8 or 10 hills Early Bush Crookneck and Mammoth White Bush Scallop. For fall and winter, Boston Marrow and Delicious, or the new Quality squash are excellent. 1 pkt. seed of each variety.

**SALSIFY.** 50 feet of row, 1 oz. seed.

**TOMATOES.** 25 plants of an early variety, Earliana, John Baer or Bonny Best, and 50 plants of a late kind, such as Stone or Success.

**TURNIPS.** Red Top White Globe and Golden Ball are excellent kinds. Sow in August. 1 pkt. seed of each kind. For winter use sow Breadstone or Hall's Westbury in July.

**HERBS FOR FLAVORING.** Every garden should have some Sage, Thyme, Summer Savory and Sweet Marjoram.

## Collections of Vegetable Seeds at Much Reduced Prices

Many people do not know enough about the different varieties of vegetables to choose them so as to get the best results. To all such the collections as given below will be both convenient and economical.

The qualities and varieties are chosen with the aid of our long experience so as to make a garden that will furnish a constant supply of vegetables from the beginning to the end of the season.

**We Cannot Make any Changes in these Collections.** The collections are put up ready to ship, so we cannot change them in any way; but, of course, anyone may order additional seeds to go with the collection. No discount or premium is allowed on these collections.

### COLLECTION No. 1—For a Small Garden. Price 75c, Postpaid

The regular price of these seeds if bought separately would be \$1.09.

This collection contains 1 pkt. of each of the following varieties:

Beet, Detroit Dark Red.....	.05
Beans, Currie's Rust-proof Black Wax.....	.12
Beans, Stringless Green Pod.....	.12
Cabbage, Enkhuizen Glory.....	.10
Carrot, Harris' Half Long.....	.10
Cucumber, Early White Spine.....	.05
Sweet Corn, Pochontas, early.....	.10
Sweet Corn, Evergreen.....	.10

Lettuce, May King.....	.05
Onions, Yellow Danvers.....	.05
Radish, Early Scarlet Globe.....	.05
Parsnip, Harris' New Model.....	.10
Summer Squash, Early Bush Crookneck.....	.05
Turnip, Purple Top Strap Leaf.....	.05

Regular Price.....\$1.09

### COLLECTION No. 2—For a Good Size Vegetable Garden. Price \$1.50, Postpaid.

The regular price of these seeds bought separately is \$2.12.

1 pkt. Beet, Detroit Dark Red.....	.05
1 pkt. Beans, Currie's Rust-proof Black Wax.....	.12
1 pkt. Beans, Bountiful.....	.12
1 pkt. Swiss Chard, Silver Leaf.....	.05
1 pkt. Cabbage, Enkhuizen Glory.....	.10
1 pkt. Cabbage, Savoy, for winter.....	.10
1 pkt. Cauliflower, Snowball.....	.12
1 pkt. Carrot, Harris' Perfected Half Long.....	.10
1 pkt. Cucumber, Early White Spine.....	.05
1 pkt. Sweet Corn, Pochontas (early).....	.10
1 pkt. Sweet Corn, Evergreen.....	.10
1 pkt. Sweet Corn, Mimms' Hybrid.....	.10
1 pkt. Lettuce, Black Seeded Simpson (early).....	.05
1 pkt. Lettuce, Iceberg (later).....	.05

1 pkt. Muskmelon, Irondequoit.....	.10
1 pkt. Onion, Yellow Danvers.....	.05
1 pkt. Parsnip, Harris' New Model.....	.10
1 pkt. Parsley, Champion Moss Curled.....	.05
1 pkt. Radish, Early Scarlet Globe.....	.08
1 oz. Spinach, Eskimo.....	.18
1 pkt. Summer Squash, Early Bush Crookneck.....	.05
1 pkt. Winter Squash, Hubbard.....	.05
1 pkt. Salsify, or Vegetable Oyster.....	.10
1 pkt. Turnip, Purple Top Strap Leaf.....	.05
1 pkt. Tomato, Bonny Best.....	.10

Regular Price.....\$2.12

### COLLECTION No. 3—For Complete Vegetable Garden. Price \$4.75 by Express, not prepaid

Regular price if bought separately is \$5.68.

We will send this collection of vegetable seeds by parcel post, prepaid, as follows:

To places in zone No. 2 on map, page 6.....	\$4.90
To places in zone No. 3 on map, page 6.....	5.00
To places in zone No. 4 on map, page 6.....	5.20
To places in zone No. 5 on map, page 6.....	5.60

½ pt. Beans, Currie's Rust-proof Black Wax.....	.20
½ pt. Beans, Bountiful.....	.18
1 pt. Beans, Burpee's Bush Lima, New Wonder.....	.35
½ pt. Beans, Early Leviathan Lima (pole).....	.20
1 oz. Beet, Detroit Dark Red.....	.15
1 pkt. Swiss Chard, Silver Leaf.....	.05
1 pkt. Cabbage, Jersey Wakefield (very early).....	.10
1 pkt. Cabbage, Glory.....	.10
1 pkt. Cabbage, Savoy, for winter use.....	.10
1 pkt. Carrot, Harris' Perfected Half Long.....	.10
1 pkt. Cauliflower, Snowball.....	.12
1 pkt. Celery, Golden Self-Blanching.....	.10
½ pt. Sweet Corn, Pochontas (very early).....	.15
½ pt. Sweet Corn, Buttercup (medium late).....	.15
½ pt. Sweet Corn, Country Gentleman.....	.15
1 pkt. Cucumber, Early White Spine.....	.05
1 oz. Cucumber, Jersey Pickle (for pickles).....	.15
1 pkt. Egg Plant, Black Beauty.....	.10
1 pkt. Lettuce, May King (early).....	.05
1 pkt. Lettuce, Iceberg.....	.05
1 pkt. Lettuce, Holyrood Hot Weather.....	.10

1 pkt. Muskmelon, Irondequoit (of delicious flavor).....	.10
1 pkt. Watermelon, Harris' Earliest (best for the North).....	.10
½ oz. Onion, Yellow Globe Danvers.....	.15
1 pkt. Onion, Silver Skin (white).....	.05
1 pkt. Parsley, Dwarf Perfection.....	.10
1 oz. Parsnip, Harris' Model.....	.20
1 qt. Peas, Surprise (early).....	.40
1 qt. Peas, Alderman (medium late).....	.40
1 qt. Peas, Horsford's Market Garden.....	.35
1 pkt. Pepper, Ruby King.....	.10
1 pkt. Pumpkin, Small Sugar.....	.05
1 oz. Radish, Early Scarlet Globe.....	.15
½ oz. Salsify, or Vegetable Oyster.....	.15
2 oz. Spinach, Eskimo.....	.18
1 pkt. Summer Squash, Early Bush Crookneck.....	.05
1 pkt. Winter Squash, Delicious.....	.05
1 pkt. Tomato, John Baer.....	.10
1 pkt. Turnip, Purple Top Strap Leaf.....	.05
1 pkt. Turnip, Golden Ball.....	.05

Regular Price.....\$5.68

## ABOUT ORDERING, SHIPPING, ETC.

**Making Out the Order.** An order blank which is attached to this catalogue on the last page will be found convenient to use. Please write your name *very distinctly* and give your full postoffice address, and also state *how you wish the seeds sent*, whether by mail, express, or freight. If the seeds, etc., are to be sent by freight or express give your nearest railroad station or express office, if different from your postoffice.

**How To Send Money.** Money is most conveniently and safely sent in the form of a postoffice money order, express money order, or check. We will accept personal checks without exchange. Small amounts may be sent in postage stamps; it is not safe to send silver.

**Orders Promptly Filled.** We usually fill orders the day after they are received. This applies to orders for seeds that can be sent at any time during the winter. If the order includes potatoes, onion sets, plants, etc., which cannot be safely sent in cold weather, we are obliged to hold the order until it is safe to ship. Please state on such an order whether we are to send the seed at once and make a second shipment of the perishable articles later, or hold the seeds until it is safe to send all in one shipment.

**Shall We Substitute?** We are sometimes out of the variety ordered, especially late in the season. Some of our customers prefer to have us send some other kind which in our judgment is equally good, while others wish us to return the money sent, or first notify them that we are out and hold the order for their answer. This of course involves delay in forwarding the seeds.

Please state on the order whether we shall substitute or not. We do not substitute unless instructed to do so, except in the case of small quantities where we know the purchaser would prefer to have some other equally good or better kind, rather than none at all.

Mr. P. B. VanDoren, Naples, N. Y., writes, May 9, 1916: *"If some of the goods are gone, or for any reason cannot be shipped, you may change the order to suit you and it will suit me. I know from former experience."*

**Money Promptly Returned.** If we are out of any seeds or plants wanted we return the money sent for them without delay, unless permission is given on the order to substitute some other kind.

### Heavy Shipments by Freight

When shipped by freight the seeds will usually be longer on the way than when sent by express, but the charges are much lower when the weight is 100 pounds or more.

It costs just as much to send 10 pounds by freight as 100 pounds, so small lots should be sent by express.

For any considerable distance the charges on any package, however small, would be 35c or 40c. For instance, the rate from here to New York on potatoes is 18c per 100 lbs., so that 200 lbs. would go for 36c, while any smaller package say 20 lbs., would cost 35c. It takes usually much longer to get things through when shipped by freight than by express, so if there is any reason for avoiding delay, and the package is not too heavy (over 100 lbs.) it is best to have seeds and plants sent by express.

We can ship by the following railroads from Coldwater and Rochester:

New York Central; West Shore; Rome; Watertown & Ogdensburg; Lehigh Valley; Erie; Buffalo, Rochester & Pittsburgh; Pennsylvania.

Please state on your order whether we are to ship by freight or express. If left to our judgment, please state how soon you will need the seeds.

### Seeds Sent Cheaply by Parcel Post and Express

The cost of sending seeds is now much lower than it used to be some years ago.

People living east of Illinois and north of North Carolina can get their seeds delivered at their doors at a cost only one to four cents per pound, depending upon the distance.

**Express charges are lower** than parcel post on all packages weighing 20 pounds or more, and to places where the postage is over 2c per pound the express rates are lower on packages weighing 10 pounds or more.

When seeds are sent by express the charges need not be prepaid, but when sent by parcel post the charges must be put on the package in stamps the same as ordinary mail.

Seeds can only be sent by express to a place on a railroad. By parcel post a package can be sent to any postoffice, whether on a railroad or not.

**When seeds are ordered sent by parcel post the necessary amount for postage must be sent with the order.**

This does not apply to seeds ordered in packets and ounces, which will be sent by parcel post when ordered at our catalogue prices, without any additional charge.

**Express charges to various cities.** To places near these towns the charges will be the same.

	25 lb.	50 lb.	100 lb.
Albany, N. Y. ....	.35	.54	.94
Augusta, Me. ....	.47	.79	1.43
Baltimore, Md. ....	.38	.60	1.05
Boston, Mass. ....	.39	.64	1.13
Buffalo, N. Y. ....	.26	.36	.57
Cleveland, O. ....	.35	.54	.94
Cincinnati, O. ....	.45	.75	1.35
Concord, N. H. ....	.42	.68	1.20
Detroit, Mich. ....	.39	.64	1.13
Fitchburg, Mass. ....	.39	.64	1.13
Harrisburg, Pa. ....	.35	.54	.94
Jamestown, N. Y. ....	.30	.45	.75
Kalamazoo, Mich. ....	.43	.72	1.28
New Haven, Conn. ....	.39	.64	1.13
New York City. ....	.36	.57	.98
Norfolk, Va. ....	.54	.92	1.69
Pittsburg, Pa. ....	.35	.54	.94
Philadelphia, Pa. ....	.39	.64	1.13
Syracuse, N. Y. ....	.26	.36	.57
Utica, N. Y. ....	.28	.42	.68
Watertown, N. Y. ....	.28	.42	.68

### What We Guarantee

We assume all the risk of the seeds, plants, etc., we sell reaching the purchaser in good condition. Should any seed bought of us fail to grow under favorable conditions, or not prove to be true to name, we will refund the money paid for them.

If seeds or plants are lost or destroyed while on the way to the purchaser we will replace them without charge, or refund the money paid for them at our option.

### What We Do Not Guarantee

We do not guarantee that the purchaser will get a crop from the seeds, nor will we be in anyway responsible for loss of a crop. We are willing to refund the money paid for the seeds if they are not as represented, but we do not assume any responsibility for the crop.

**Notice.** All our seeds and plants are sold on the distinct understanding and with the agreement by the purchaser that we will not be liable for any loss or damage that may occur by reason of the failure of seeds or plants to grow or to be of the variety or quality ordered. We will not accept or fill orders on any other terms.

JOSEPH HARRIS CO.,







## SOME SPECIALLY GOOD VEGETABLES—Not All New

### WEBBER WAX OR "CRACKER JACK" BEAN

In extensive trials of wax beans we find the Webber Wax matures very early, as early as any kind and has long, straight, flat pods of a bright clear yellow color, and of high quality, being crisp, tender and entirely stringless. The vines are very vigorous and produce more pods than any other early kind we know of, and they are remarkably free from rust.

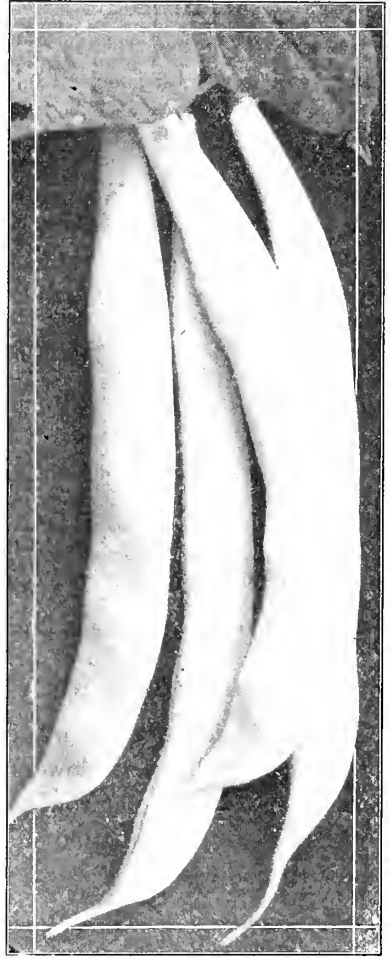
Those who want a very early wax bean with flat pods will find the Webber Wax, or "Cracker Jack" bean, as some dealers call it, a most excellent variety either for home use or market.

Pkt. 12c; ½ pt. 25c; pt. 40c; qt. 75c; 4 qts. \$2.50.

### ASPARAGUS—Unusual Offer of Large Roots

There is nothing so important about raising asparagus as the quality of the roots. The roots sold by most nurserymen are worthless, or worse than that. They are grown from seed sown so thick in the row that they are so crowded they cannot make proper development. Such roots produce small, weak shoots and never make a really good bed. A great many people who do not know what really good roots look like accept these worthless things, and of course, do not get good results, and think they cannot raise asparagus. As a matter of fact if they got really well grown roots they would have had no trouble in establishing a good bed which would yield an abundance of large shoots every year.

We have some really fine, large, strong roots of our own growing which will be two years old in the spring (1918). These are the best roots to set out. If set out this spring a few shoots can be cut next spring, but cutting should not continue more than two weeks. After that time let the tops grow and keep the bed clean. The next spring the bed will yield a good crop and keep yielding more each year for two or three years until it reaches full production.



Webber Wax or "Cracker Jack" Bean



Giant Argenteuil Asparagus

To start a bed it is only necessary to set out the roots on good soil and give them ordinary care to keep weeds down, etc. No special preparation of the land is necessary. It should be prepared as for planting potatoes and should be made rich by applying a heavy dressing of manure, which should be plowed or spaded in.

The variety used is unimportant. They all produce equally good results if the roots are well grown and given suitable culture.

Full directions for planting will be found in our pamphlet containing culture directions which will be sent with every order if requested.

**ASPARAGUS ROOTS.** 2 years old; good, strong, well-grown roots. Doz. 25c; 100 roots \$1.50; 500, \$5.00.

2 years old, *extra large* selected roots. Doz. 40c; 100, \$2.00.

3 years old, *very large and strong*. Doz. 50c; 100, \$2.25.

Special prices will be quoted on larger lots.

## A Bean of Quality—THE SCOTIA

It you want the very best, most tender and delicious "string beans," raise the Scotia.

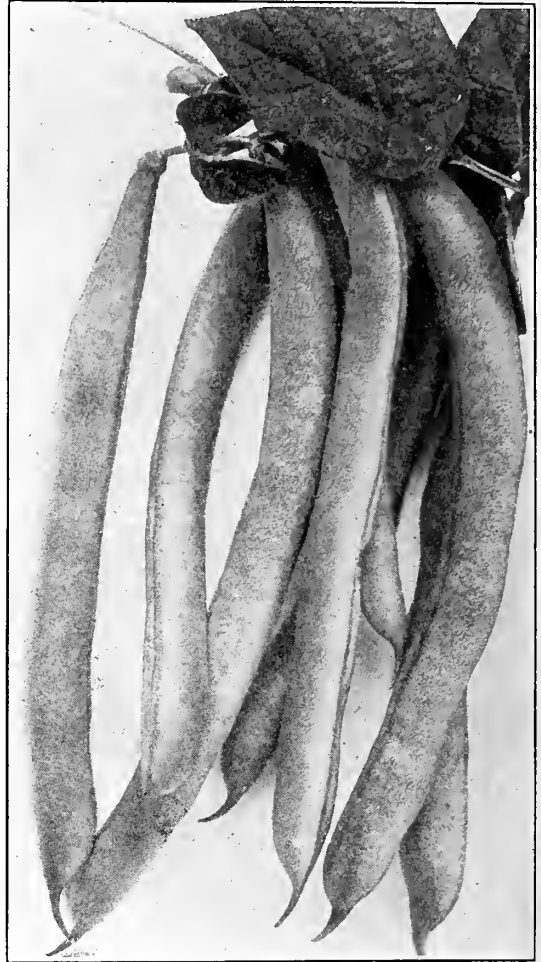
It is a pole bean and should have some support for the vines, but can be grown without. The pods are long, perfectly round, straight, entirely stringless and of the very **highest quality**.

Many of our customers who have raised the Scotia bean for years know how delicious it is, but those who have not tried it have a treat awaiting them.

The pods of the Scotia when cooked are so much better than any other kind that nothing else will do after once tasting them. They have a rich, melting, buttery flavor possessed by no other bean.

They commence to bear as soon as the early bush beans are gone.

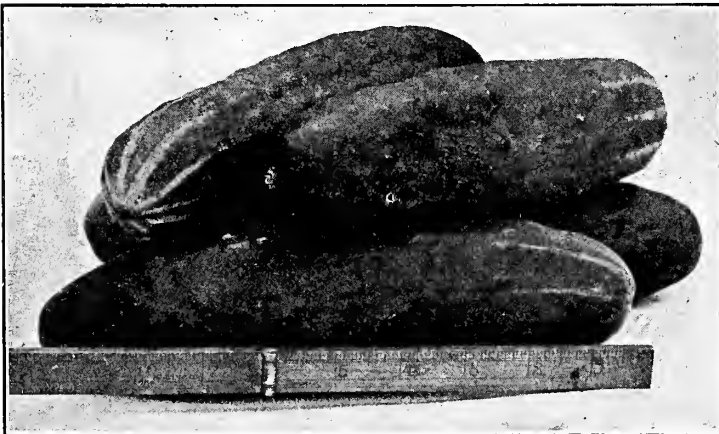
A few hills will produce enough for a family and will bear all through August and September when the earlier bush beans are gone. Plant enough to can—They are delicious; far more rich and tender than any other canned beans we have ever eaten. **Pkt. 10c; ½ pt. 25c; pt. 40c; qt. 75c.**



Scotia Beans

### Directions for Culture

A pamphlet containing concise directions for raising vegetables and flowers will be sent free with an order amounting to 50c or more. Please write "Cultivation Pamphlet" on the order if you wish one.



Harris' Perfection Cucumber

## HARRIS' PERFECTION CUCUMBER

This variety has been selected for many years with the idea of getting a cucumber as near perfection as possible, both for field culture and forcing.

The fruit is long, straight, smooth and handsome. The color is deep green with clear white rays on the blossom end. The cucumbers retain this deep green color longer than any kind we know of. The fruit will **average** over a foot long when matured and many reach 15 inches in length.

The cucumbers are crisp, solid and of the very finest quality; medium early and of the very best for the home garden as well as for

market. There is no finer cucumber for either purpose. Also fine for pickles, the young fruit being long, slender and deep green.

**For forcing** this is an excellent variety. The vines are vigorous and wonderfully prolific and the fruit sets well when grown under glass.

Gardeners who have tried this variety for forcing report excellent results. We offer seed of our own growing.

**Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.50.**





French's Success Celery

## FRENCH'S SUCCESS CELERY

### The Best Celery for Winter Storing

For late use or market during February, March or April we know of no celery equal to this. It requires more time to blanch than some other kinds but it is just this quality that makes it so valuable for storage. If kept cold it will keep in good condition until April.

The stalks are of medium length, very compact, with well developed heart, solid and very crisp, and of superb quality and blanch snow white. The stalks are so brittle and crisp that they require extra care in handling.

The stalks never grow soft when grown from Harris' seed.

We highly recommend the French's Success for winter storing, either for market or home use. There is nothing better.

Since we introduced this variety a few years ago the demand for the seed has increased rapidly, nearly doubling every year, which is the best evidence that it meets the needs of large growers.

This variety is now being offered by other seedsmen who get their seed raised in California at low prices. Such seed is far inferior to our Northern grown seed.

We offer seed of our own growing from carefully selected stalks that we are sure will prove satisfactory in every respect.

Pkt. 10c; oz. 60c;  $\frac{1}{2}$  lb. \$2.00; lb. \$7.00.

## EASY-BLANCHING CELERY

### Also called "Sanford Superb"

A new celery that resembles the Golden Self Blanching, but leaves are green and the stalks blanch *white* instead of yellow. The stalks have the same form and heavy heart of the Golden Self Blanching, and blanch very quickly like that variety, but *keep better* and can be used after the Self Blanching is gone.

This is really a fine celery for use in the late fall and winter, as it keeps well and is of fine quality, being crisp, solid and without stringiness.

The seed we offer is of our own growing, and is of the true original stock.

Pkt. 12c; oz. \$1.25;  $\frac{1}{4}$  lb. \$4.50.

## Harris' Tested Seeds—with the Test put on!

Many dealers advertise "tested seeds" but what does that signify? The seeds may be tested and found of very low vitality, yet are sold as "tested seeds."

Harris' seeds are not only tested, but the *per cent* that grows is marked on each lot sold (except packets) so the purchaser can tell just how many seeds to sow to get the right number of plants in the rows.

According to our Tests

**96 per cent.**

of this seed germinates

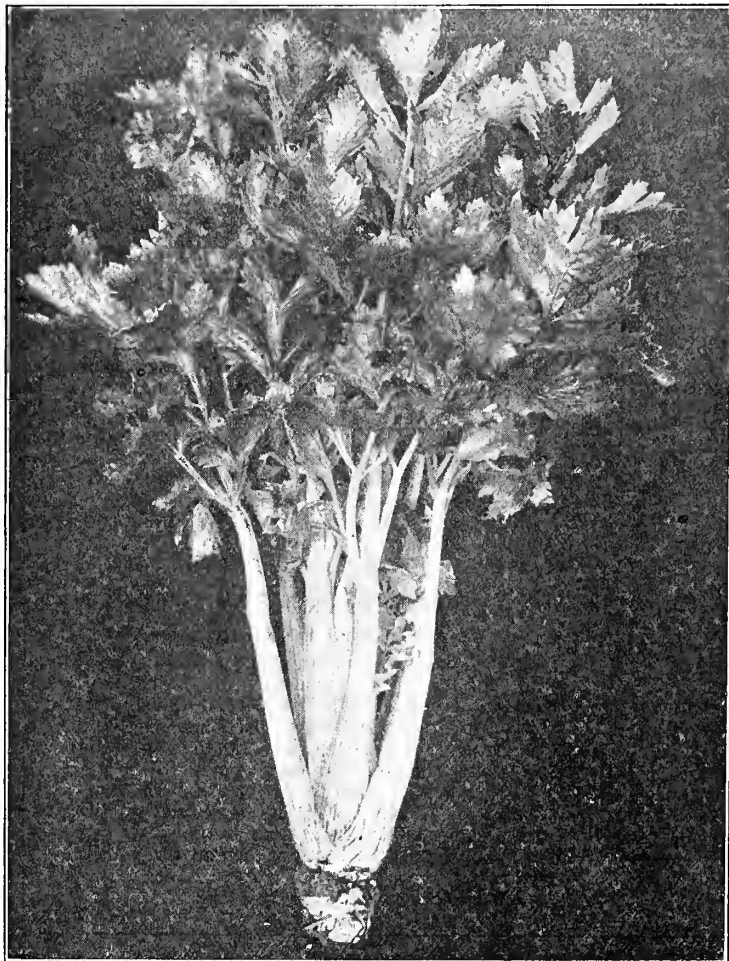
**The "Guess" left out.** A successful truck gardener of North Hanover, Mass., writes: *"I have used Harris' seeds for three successive years and found them excelled by none. There was a time when I had to guess at seed results, but now with Harris' tested seed the guessing part is a back number."*—Howard S. Taylor.

**Better than marked.** Mr. A. Walker, head gardener on a large estate in Ohio writes April 11, 1917:

*"I wish to state that the seeds you sent are the best in germinating power that I have ever tested. I have been thirty years in the best gardens in England and Scotland, and never tested better seeds. I have tested all the varieties and found them up to your testing, and two varieties much over. Sweet corn tested one hundred per cent."*—A. Walker, Head Gardener,

Wickliffe, Ohio

## GOLDEN SELF-BLANCHING CELERY—French-grown Seed—"Proved"



Golden Self-Blanching Celery

The best celery for fall and early winter use. Blanches easily and has a rich nutty flavor. The stalks are of medium length, quite thick, solid and crisp.

When blanched the stalks are creamy white, while the leaves turn a beautiful golden yellow.

This is the best early celery for the home garden as well as for market. It can be easily blanched by placing boards on each side the row for fall use, and will blanch perfectly in the cellar or pit when stored for winter use.

There is often difficulty in getting really good seed of this variety. Much of the seed sold produces soft or "hollow" stalks, which are useless for any purpose.

The seed we offer was grown in France by the originator, and we have raised a crop of celery from it so we know it is true to name and of high quality. The crop contained practically no green stalks, and not one percent of soft or hollow stalks.

Pkt. 10c; oz. \$1.00;  $\frac{1}{4}$  lb. \$3.25; lb. \$12.00.

### CELERY PLANTS

Many people have difficulty in raising good celery plants and find it more convenient to buy them.

We can furnish excellent plants both for early and late crop and can send them safely by parcel post or express anywhere east of the Mississippi river.

See varieties and prices on page 28.

## GOLDEN SELF-BLANCHING CELERY—American-Grown Seed

We can offer this season some seed of this popular celery grown in California. We have raised a crop of celery from this seed the past season and find no soft or hollow stalks.

The only way to get good American-grown seed is to raise the seed from French seed. That is, the plants used to produce seed must be grown from seed raised in France. Such seed gives almost as good results as the original French-grown. But if seed is raised in California from seed grown there a large part of the celery will be soft.

We are glad to be able to offer seed that we have tried out and know is all right.

Pkt. 5c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75; lb. \$6.00.

### ABOUT "FREE DELIVERY"

There are some seedsmen who say they will deliver the seeds without extra charge.

**But**—Did you ever compare the prices with those in this catalogue for the same varieties?

If you do it will be noticed that much more than enough money to pay all transportation charges is **added to the price** so the purchaser who thinks he is getting the seeds delivered "free" is really paying twice or three times as much as it would cost to pay postage or express charges.

The way dealers who "deliver free" manage is to add to the price of the seeds about 10c per pound. This is enough to cover the postage or express charges to places 1500 to 2000 miles away. People who live only 100 miles away have to pay under this arrangement the same as though they lived fifteen times as far.

We do not think this is exactly fair, so we charge **only the actual cost** for postage or express. To people who live within 500 miles of us this effects a saving of 8 or 9 cents per pound, as the postage rate is only 1c or 2c per pound, depending on the distance.



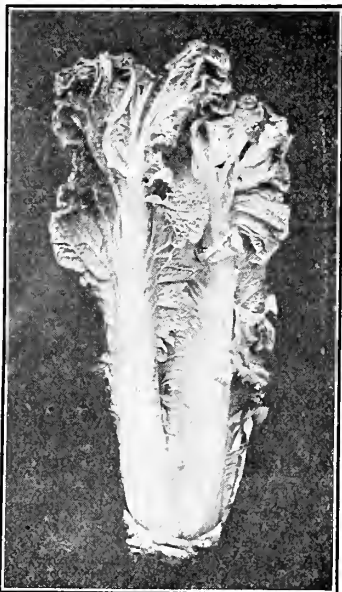
## CHINESE OR "CELERY" CABBAGE

This vegetable from China has become quite popular among those who know how to use it.

It belongs to the cabbage family, but looks more like Cos lettuce. The large mid-ribs of the leaves are perfectly white and are very crisp and tender. It is excellent when used as a salad, but is not so good cooked.

The seed should be sown not earlier than the middle of July in rows 2½ feet apart, and the plants thinned to a foot or 15 inches apart in the rows. If sown early it soon runs to seed and is useless.

Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.25.



Chinese or "Celery" Cabbage

## THE STANLEY CABBAGE

### A Cabbage of Quality

The Stanley and some other English varieties of cabbage are just as much superior to the common cabbage grown in this country as sweet corn is to common field corn.

The Stanley cabbage properly cooked is a delicious vegetable equal in delicacy of flavor to Brussels Sprouts and Cauliflower.

In England they call our large flat cabbage "cow cabbages," and do not consider them fit for the table.

The heads of the Stanley do not get very hard and retain their green color well towards the center, resembling the Savoy in this respect. In shape they are pointed like the Wakefield or Winningstadt and mature medium early, so they can be grown both for summer and late fall use.

Everyone who wants really fine cabbage for their own table should raise some of the Stanley for summer and fall use and Herald Savoy for late fall and winter.

Pkt. 10c; oz. 45c; ¼ lb. \$1.30.



Stanley Cabbage

## "MAMMOTH PROLIFIC" POTATO

This potato was sent to us by a specialist in potato growing, who has had many years experience and has grown a great many varieties. He considers this Mammoth Prolific one of the very best late varieties. It yields as heavy crops as any kind he grows, and in addition is a handsome, smooth, white potato of fine quality.

This is a green stemmed, white-flowered variety like the Green Mountain. This class of potatoes is of better quality and matures earlier than the purple-stemmed and purple-flowered kinds, like Rural New Yorker.

From one year's experience we should say that this is one of the heaviest yielders we have grown, and appears to be a valuable variety.

The potatoes are oblong with a medium number of eyes. The skin is white and has a fine netting. The vines are vigorous, branching, and appear to resist blight well. The potatoes mature medium late, about the same time as the Green Mountain.

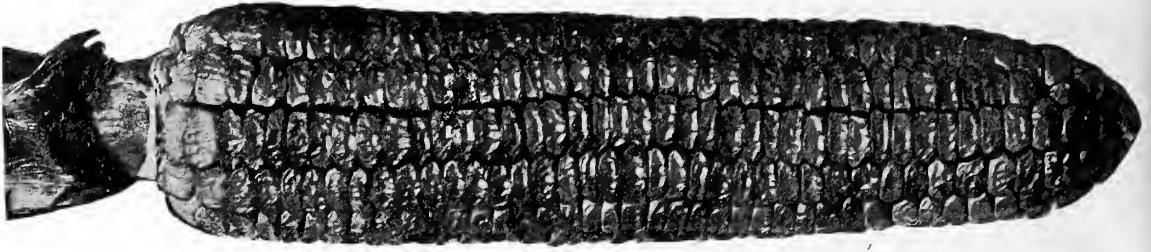
We recommend this potato to those who want a heavy producing kind that is of first-class quality, cooking dry and meal.

Peck 90c; bu. \$3.00; sack (2¾ bu.) \$8.00.

For other varieties of potatoes, see page 49.



"Mammoth Prolific" Potato



Buttercup Sweet Corn

## "BUTTERCUP"—A Delicious Yellow Sweet Corn

For quality—that is, sweetness, flavor and succulence—we have never seen a corn quite equal to the "Buttercup," unless it is Golden Bantam.

Like the now well-known Golden Bantam, the "Buttercup" is a yellow sweet corn. The kernels are as yellow as June butter. The ears are of good length (8 to 10 inches) and have 8 to 12 rows of large kernels of a rich butter yellow, and are most deliciously sweet, succulent and tender. It is medium early and quite prolific.

Compared with Golden Bantam the "Buttercup" has a larger ear and is of equally fine quality and nearly if not quite as early.

We advise all our customers who appreciate good sweet corn to give the "Buttercup" a place in their gardens this season. Pkt. 10c; ½ pt. 18c; pt. 35c; qt. (1½ lbs.) 60c; pk. (12½ lbs.) \$4.25.

*"The Buttercup corn is the only corn I can eat or sell here. Now they have a taste of it. It is so rich and tender it will always sell when the market is flooded with the other varieties."*—F. A. WAUGH, Oswego, N. Y., March 13, 1917.

*"I want to say the seeds I got of you last year were the best I ever had and the Buttercup corn was so fine everybody wanted it."*—FRANK E. BURTON, Boston.

*"I picked an ear of Buttercup corn 10 inches long with 12 rows of kernels about 5 days later than the earliest corn put on the market here. So my Buttercup was only a trifle later than the first one on the market."*—G. V. GRINNELL, Mystic, Conn.

## GOLDEN BANTAM SWEET CORN

We have a very fine strain of this delicious corn which produces larger ears than the original small-eared type. The ears are 5 to 7 inches long and have eight rows. This strain has been carefully selected and is more uniform than the ordinary type. Pkt. 10c; ½ pt. 18c; pt. 35c; qt. (1½ lbs.) 60c; pk. (12½ lbs.) \$4.25.

## POCAHONTAS SWEET CORN—The Best Early Sweet Corn for Home Use or Market

Too much can hardly be said in praise of this sweet corn. The longer we raise it and compare it with other varieties the more impressed we are with its superior merit. As we raise it there is no early corn equal to it either in size or productiveness.

Planted side by side with both Red and White Cob Cory it produces ears much larger and practically as early.

The stalks grow only about 5 feet high, and nearly all of them produce two great big ears 8 to 9 inches long with 8 to 10 rows of very large, pure white kernels which are deliciously sweet and tender.

It is not only extra early but it has a large, handsome ear well filled out and of the best quality, which can be said of very few early varieties. It is a fine early corn for home use as the quality is superb.

Our seed is all of our own growing and is carefully selected, all "sports" and poor ears being rejected. We are improving it each year.

Pkt. 10c; ½ pt. 18c; pt. 30c; qt. (1½ lbs.) 55c; pk. (12½ lbs.) \$3.85.

## New EXTRA EARLY Pocahontas Sweet Corn

We now have a new strain of this corn produced by selecting seed from the ears that ripen the earliest. This strain produces matured corn three or four days sooner than the old Pocahontas.

The ears are not quite as large as the old strain, but still are larger than any other corn equally early.

The ears average less than an inch shorter than the old strain, being from 7 to 8 inches long with 8 to 10 rows of very large white kernels of high quality.

For either home use or market this is one of the very best early varieties—if not the best.

Pkt. 10c; ½ pt. 20c; pt. 35c; qt. (1½ lbs.) 60c; pk. (12½ lbs.) \$3.85.

## HARRIS' EXTRA EARLY SWEET CORN

We have raised this corn for many years and consider it one of the very best extra early varieties.

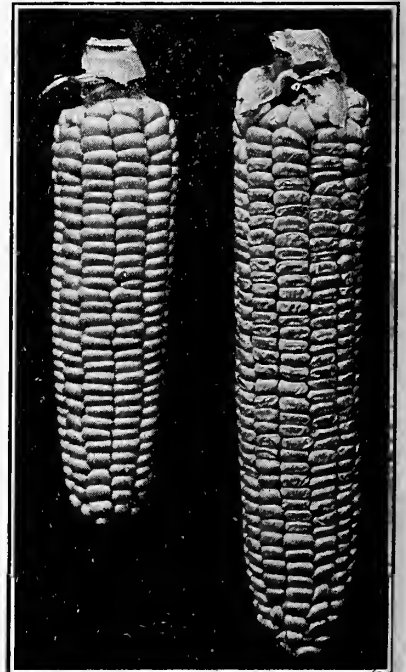
It is not quite as early as our Mammoth White Cory, maturing three or four days later, but the ears are larger and the corn of much finer quality.

We know of no other extra early corn of such fine quality as this. The kernels are small, pure white, and are tender, sweet and delicious.

The ears grow 7 to 8 inches long and have 10 to 12 rows of kernels which are smaller than those of Pocahontas and preferred by many on this account.

We highly recommend this corn for the home garden as well as for market.

Pkt. 10c; ½ pt. 18c; pt. 30c; qt. (1½ lbs.) 55c; pk. (12½ lbs.) \$3.75.



Mammoth White Cory. Pocahontas



## LEMON CUCUMBER

This is a real cucumber that grows about the size and shape of a lemon. The flesh is white and has a peculiar sweet flavor, quite different from other cucumbers.

They are highly esteemed by many people both for table use and pickling. The fruit is ready to use when it is just commencing to turn yellow. They may be picked while green or ripe as preferred.

The Lemon Cucumber is grown the same as other cucumbers. Pkt. 10c; oz. 25c.



Lemon Cucumber

## BENDER'S SURPRISE MUSKMELON

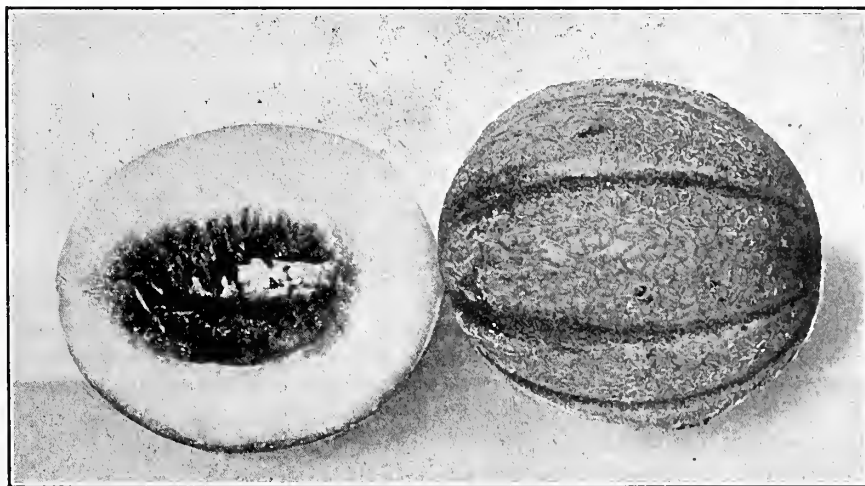
The Bender melon has become famous on account of its delicious flavor. The melons sell for very high prices when well grown. The Irondequoit melon, which we have recommended for years, and which has given the greatest satisfaction among our customers, is of similar type, but the strain called "Bender's Surprise" is in some respects superior.

The fruit grows quite large (weighing about 5 lbs.), is of oval shape and light green color, turning when ripe to a golden hue which shows through the netting.

The flesh is deep orange yellow, **very thick, unusually firm, and of exquisite flavor** and can be eaten right down to the outer rind, which is only a quarter of an inch thick.

Mr. Bender has been "breeding up" this melon for nearly twenty years selecting the melons of best flavor and thickest flesh for seed. The result is a remarkable melon which is now just being appreciated.

Most large melons of this class do not keep well, after being picked, but the Bender is really of much better flavor when it has been picked four or five days, than when fresh off the vines. If picked when it first shows signs of ripening and placed in a well ventilated place out



Bender's Surprise (a delicious new melon)

of the sun, one of these melons will slowly ripen and gain in flavor and sweetness. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.35; lb. \$4.75.

## The Famous Montreal Muskmelon

Those who visit Montreal in the melon season come back enthusiastic about the delicious melons grown there. So famous are these melons that they are sent to Boston and other large cities and sold at high prices, a single melon often selling for \$2.00 or more.

The seed of these melons is not usually offered for sale, but through the kindness of a friend in Montreal we got a few seeds of the very best strain there grown. From these seeds we raised some of the most remarkable muskmelons we have ever seen. Melons as large as a half bushel measure and weighing over 30 lbs. were growing in great numbers all over the vines. **The largest melon weighed 37 lbs.**

The melons are almost perfectly round, deep ribbed and well netted. The flesh is **very thick**, light green, and when well grown in a favorable climate, of delicious flavor.

The best way to raise these melons is to start the plants in a hotbed or greenhouse as described in our pamphlet on culture of vegetables. Free if you ask for it.

Pkt. 20c; 3 pkts. 50c; oz. \$1.50.



## IRONDEQUOIT MUSKMELON

This is one of the very finest melons we know of. The fruit is large, often weighing 8 or 10 pounds; nearly round, well netted and light green. The flesh is deep orange color; thick, very sweet and of high flavor. We know of no finer flavored large melon. They ripen medium early and the vines are healthy and produce lots of good big melons.

The seed we offer is of our own growing, and is the finest strain of this variety we have seen. Practically every melon is of high flavor when well grown. The seed has been selected with the greatest care for years. The selection has been not so much for size and appearance as for flavor, which is really what one wants in a melon.

**Pkt. 10c; oz. 35c; ¼ lb. \$1.10; lb. \$4.00.**

Mr. Myron S. Teller, Kingston, N. Y., writes:

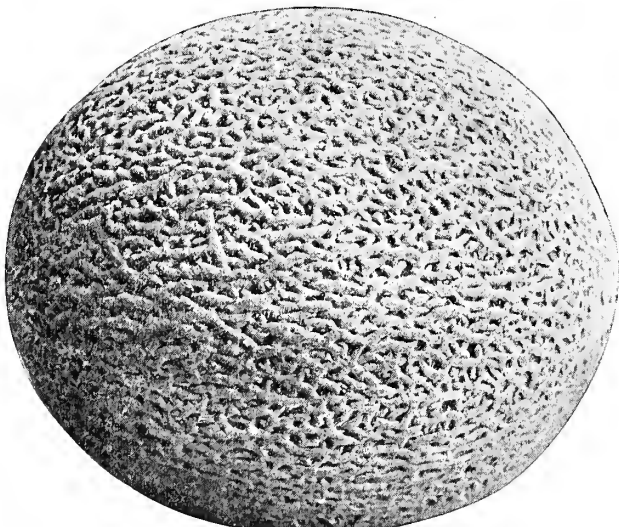
*"First let me express my appreciation of the Irondequoit melon we grew in our home garden last season from the seed obtained from you. I shared some of these seeds with a neighbor and we were delighted with the product and enjoyed the luscious fruit. Friends who shared a taste with us pronounced them the finest they had ever eaten."*

Mr. Chas. F. Mitchell, Katonah, N. Y., writes:

*"A word of praise for your Irondequoit melon. This is the first year that we raised this melon, and owing to its size I was afraid that our market would not take it, as they favored a smaller type of melon, but after I started to market them the demand became greater than the supply. The flavor is better than any other melon grown in this locality. We cater to the fancy retail trade and people have paid us as high as 25c per single melon in order to get them. This price was unknown here until we put the Irondequoit on the market. One customer said that it was the best melon she had ever eaten, with the exception of some that she had while in Paris, France. We shall plant this and Hoodoo exclusively next season."*



**Irondequoit Muskmelon**



**Delicious Gold Lined Rocky Ford Muskmelon**

## DELICIOUS GOLD LINED ROCKY FORD MUSKMELON

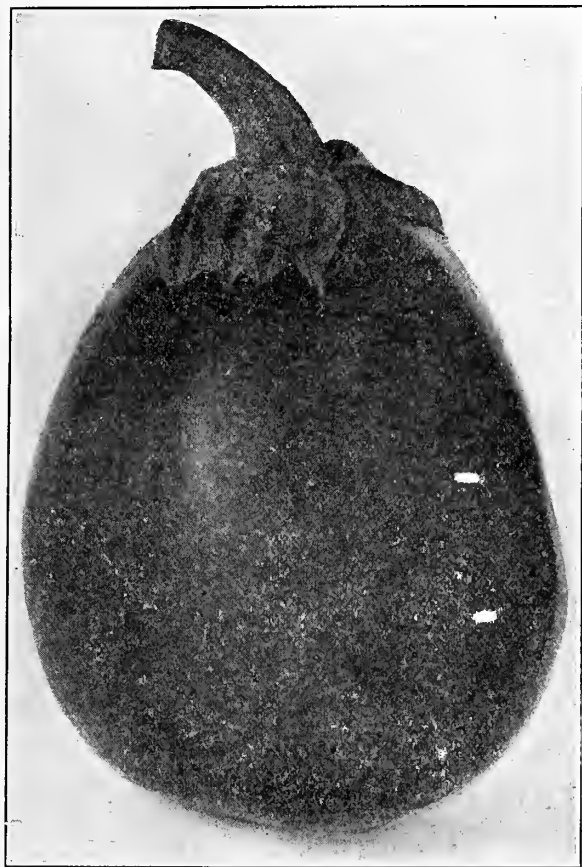
This is an improved type of the famous Rocky Ford melon. The flesh is very thick and has a rich golden color next to the seed cavity.

The flavor is delicious, being sweet and sprightly. The melons are of medium size, heavily netted and very firm, so they carry well when shipped. They run very uniform in size and quality. The vines are vigorous, hardy and rust resistant.

This is a very fine melon either for home use or shipping. The seed we offer was grown by the originator and will be found of the very highest quality.

**Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.60.**





Black Beauty Egg Plant—Harris' Selected Strain

## BLACK BEAUTY EGG PLANT

### Harris' Selected Strain

The Black Beauty Egg Plant when the seed is grown with the proper care is the earliest and most prolific of the large fruited kinds.

The strain we offer has been carefully bred by selection and now produces very large fruit in remarkable abundance. Some plants have 5 or 6 big "eggs" on them at one time.

One of our customers at Irving, N. Y., writes October 13, 1916:

*"Specimens of Black Beauty Egg Plant grown from your seed carried off first premium at the N. Y. State Fair and Erie County Fair this year. I had one that weighed 7¼ pounds, and three that weighed 19 pounds 14 ounces, or over 6½ pounds each."*

Gardeners will find Harris' Selected strain much superior to the ordinary stock of Black Beauty sold by other dealers. Pkt. 10c; oz. 45c; ¼ lb. \$1.30; lb. \$5.00.

## Egg Plants Easy to Raise

If the seed is sown in a box of good soil in a warm house or better still in a good hot-bed about April 1st. in the north, the plant will be ready to transplant to pots or boxes in two weeks, and can then be left to grow until about June 1st. when they should be set in the open ground, in rich light soil 2½ feet apart. A warm southern exposure is best.

## "FRENCH ENDIVE" or WHITLOOF CHICORY

This appetizing salad should be more largely grown in America. It is very extensively grown in Europe and has been exported in large amounts to this country.

American gardeners are neglecting the profitable work of supplying the demand for this salad. It cannot now be obtained in Europe so the markets must depend on what is produced in this country.

"French Endive" as it is called is really the large white sprouts produced on the roots of Whitloof Chicory when they are forced into growth during the winter.

The seed is sown in the spring in rows 20 inches apart and the plants thinned to 6 inches in the rows. In the late fall the roots which resemble parsnips are taken up, the tops cut off within an inch or two of the crown, and the roots cut to 8 or 9 inches in length. They are then set out in beds or boxes in good soil, all crowns being on the same level. They are then covered with 8 inches of loose dry sand. The beds or boxes must be in a place where the temperature is between 50 and 65 degrees.

The beds should be thoroughly watered before the top sand is put on.

In about two weeks the sprouts will begin to come through the sand and they should then be cut and used.

As no light is required French Endive can be grown under greenhouse benches, in cellars, etc.

Gardeners who are interested in the culture of this plant would do well to write to the N. Y. State Agricultural Experiment Station, Geneva, N. Y., for Bulletin No. 418 (free).

Be sure to get the right seed. Common chicory is much inferior to the improved true Whitloof.

**WHITLOOF CHICORY, true.** Pkt. 10c; oz. 40c; ¼ lb. \$1.10; lb. \$4.25.



"French Endive" or Whitloof Chicory

## HARRIS' EARLIEST PEPPER—The Earliest Sweet Pepper

This new pepper is earlier and more productive than any other "sweet" variety we know of.

It is really remarkable the number of large fully ripe peppers that are often crowded on a small plant. It is not unusual to find 12 to 14 good large fruit on a plant at once.

The plants grow only a foot to 18 inches high and are often so covered with fruit that there is not much else to be seen.

The peppers ripen two weeks earlier than other large kinds and often a month earlier than some.

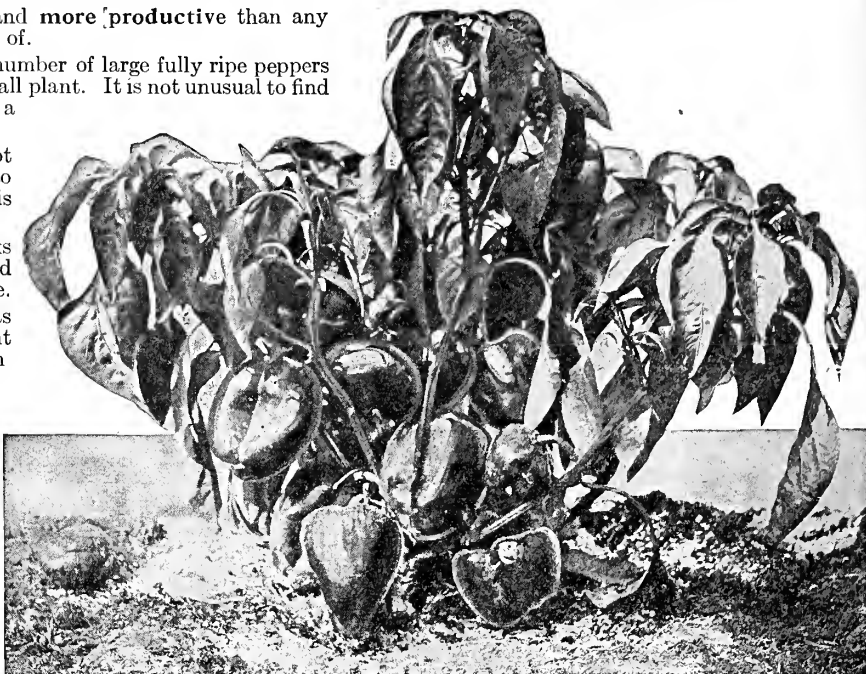
The fruit is of good size, not as large as Ruby King or Giant Crimson, but a little larger than Neapolitan and of better shape. The peppers are usually 3 to 3½ inches high and 2 to 2½ inches across.

They are very mild with no pungent flavor.

In our opinion this is the best sweet pepper to raise in the North either for home use or market.

We offer seed of our own raising grown at Moreton Farm.

Pkt. 10c; ½ oz. 65c; oz. \$1.25.



Harris' Earliest Pepper (Photograph of plant with 10 ripe peppers on it and 3 green ones)

## DWARF PERFECTION PARSLEY

We have always taken considerable pride in our strain of this parsley. The leaves are uniformly curled so finely that they resemble a dense tuft of moss. They are beautiful for garnishing, and are also of very superior flavor. The growth of the plant is compact and the leaves are bright green and very handsome. The seed we offer is of our growing from the very finest plants only. Pkt. 10c; oz. 18c; ¼ lb. 50c; lb. \$1.75.

## HARRIS' MODEL PARSNIP



Harris' Model Parsnip (Photograph)

We have been improving the old Hollow Crown parsnip by careful selection for some years until we have obtained a very fine strain which we call "Harris' Model." The shape is shown in the photograph above.

The parsnips grow to a good length, but not too long. The roots are smooth, snow white, and have practically no side roots or prongs. Their whiteness is quite remarkable and gives the roots a very attractive appearance.

Our seed is grown from transplanted and very carefully selected roots and it will be found far superior to the seed usually sold.

Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.75.

Mr. Dell Titus, a very extensive gardener, writes Oct. 24, 1917:

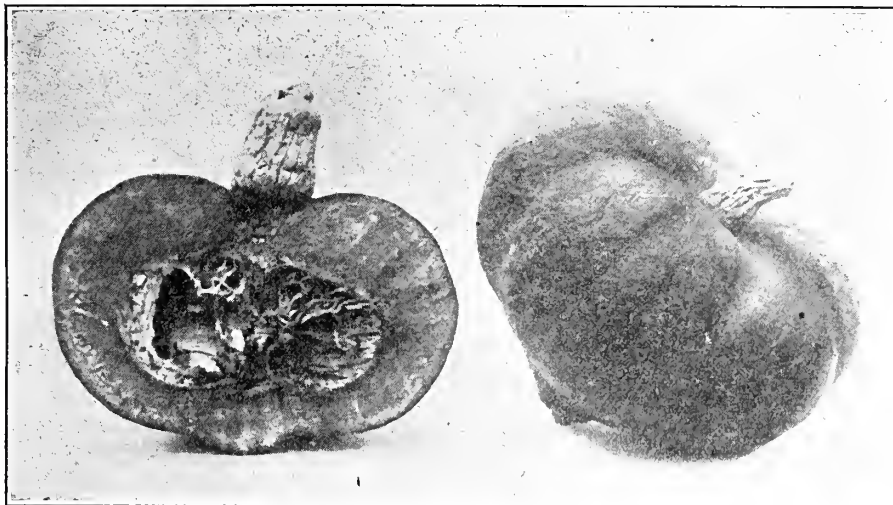
*"I want Harris' Model Parsnip seed the same as you sent me last year. It is as fine as silk."*

Mr. L. W. Brotzman, of Broome County, N. Y., writes:

*"Your New Model Parsnips are head and shoulders above everything else."*

*"I have used your seeds for a number of years and they beat any seeds I obtained elsewhere, and I have used seed from all the leading Eastern seedsmen."*





The "Quality" Squash

and is of peculiar shape, as shown in the photograph above. The outside shell is green, thin and hard, while the flesh is very thick, deep orange in color and fine grained, sweet and delicious. It is a winter squash and will keep a long time. Everyone who appreciates squash of high quality should try some of this kind. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

## "QUALITY" SQUASH

We called this new squash "Quality" because of its delicious quality when cooked.

It is not a large squash nor more prolific than other kinds, but the "real test of a pudding is in the eating," and so it is with a squash. After eating this new kind we are quite sure all will agree with us that it is the best squash they have ever eaten.

The thick orange yellow flesh cooks as dry as a good sweet potato, and is sweeter and finer flavored than any other kind we know of. The fruit is of medium size, weighs from 5 to 10 pounds

## "BONNY BEST" TOMATO—Harris' Special Selected Strain

If you want beautiful, smooth, deep red tomatoes of the finest quality, raise our selected strain of "Bonny Best." We know of no finer early tomato than this. The fruit does not ripen quite as early as our "Extra Early Earliana," but it is larger, smoother and better colored. In fact it is just as fine in these respects as the best late kinds.

This tomato will meet all the requirements of the market or home use, and there is really no advantage in raising the later kinds, except possibly for home canning, for which purpose Stone is considered of better quality, being sweeter when cooked.

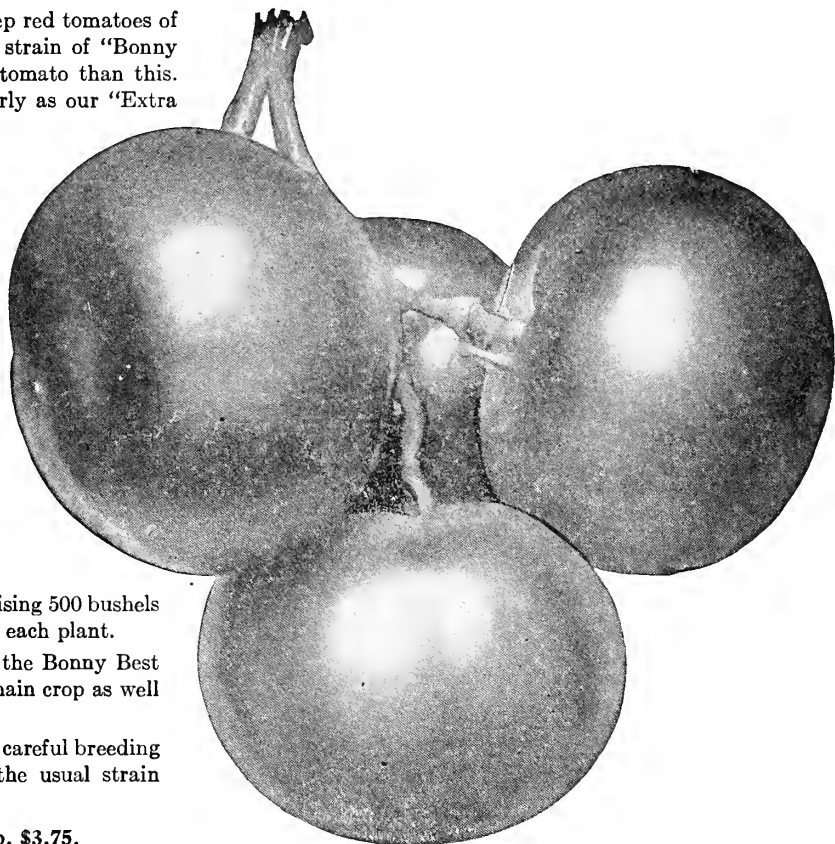
The fruit colors perfectly all over—no green tinge around the stem—and is of good size, as smooth as an apple and free from cracks.

The vines are remarkably prolific. One of our customers reports raising 500 bushels from 900 plants, over  $\frac{1}{2}$  bushel from each plant.

For the private garden or market the Bonny Best will be found most excellent for the main crop as well as early use.

Our strain is the result of 10 years' careful breeding and will be found far superior to the usual strain offered by other dealers.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.75.



**EVERY TOMATO PERFECT.** "You cannot recommend your Bonny Best tomatoes too highly. I have tested several kinds and find them the best. Every tomato being perfect. I canned 100 bushels of them last fall."—J. C. Dane, Lakeport, N. H.

## A SUPERIOR STRAIN OF EARLIANA TOMATO

Harris' Selected EXTRA EARLY, Langdon's Strain



Harris' Selected Extra Early Earliana Tomato (Photograph)

We have been working on our strain of Earliana tomato for many years and now have it bred so well that it is far better than the original variety.

We are indebted to Mr. H. P. Langdon for aid in developing this tomato. He increased the earliness by a week or more.

We have since improved Mr. Langdon's strain by getting the vines more vigorous, and the fruit larger and better colored.

Our strain of the Earliana is so superior and distinct that it seems almost another variety, although it retains all the really good qualities of the old stock.

The fruit is perfectly smooth, very solid and colored well around the stem. The old Earliana and nearly all strains of the present day produce fruit which does not get red on top, but retains more or less green color.

By years of careful breeding we have almost overcome this fault, while retaining the **extreme early ripening**, which is the most valuable characteristic of this variety.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.75.

### WHAT OUR CUSTOMERS SAY

Mr. W. T. Craig, Limestone, Pa., writes August 23, 1916:

*"You must have the finest varieties of tomatoes grown. We had ripe Earlianas August 1st. followed by Bonny Best. Many plants from other growers were planted here and none ripe yet."*

*"Many persons have said they never saw as nice tomatoes nor as splendid for the table, large, smooth and not too acid. I certainly never had such nice tomatoes."*

Craft & Co., Crafts, N. Y., write April 27, 1916:

*"Last year our Extra Early Earliana Tomatoes were extra fine. The plants were in excellent condition when received May 8th. We set them in the open ground and July 4th had the best ripe tomatoes we ever raised. They continued to produce bountifully until late in the season."*

### JOHN BAER TOMATO

We have found this new tomato a very fine second early variety. The fruit ripens a week or 10 days later than Earliana of the earliest strain, and is very smooth, uniform in color and of large size. The fruit is sold, containing very few seeds and is excellent either for table use or canning.

The vines are wonderfully productive, **yielding more ripe fruit than any kind we ever raised.**

We highly recommend this variety for main crop, with Extra Early Earliana for first early fruit.

Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.10.

Mr. W. T. Craig, Limestone, Pa. writes again Dec. 8, 1917:

*"I wish you could have seen our tomatoes while growing. There were no others in the surrounding country near so fine. You must have been careful to have your strains true to name. From Earliana and Bonny Best we had ripe tomatoes much in advance of others around us, and they were certainly fine. The Stone were splendid, but the frost took most of them. Large, smooth, perfect tomatoes, but many did not have time to ripen. In ordinary years the Stone is all right."*

Smith & Gannett, Geneva, N. Y. write Dec. 19, 1917:

*"We got some seed of John Baer tomato of you last Spring and they were the finest tomatoes grown in these parts."*



## COMPLETE LIST OF

## Harris' Vegetable Seeds for 1918

Direction for Cultivation.

We issue a little pamphlet called "Cultivation of Vegetables and Flowers," which will be sent free with all orders amounting to 50c or more, if requested.

*Artichoke (Gr.)*

## ARTICHOKE

*Carciofo (It.)*

The French or Globe Artichoke is largely used as a vegetable and is entirely different from the tuberous or Jerusalem Artichoke. The Globe Artichoke is a perennial and produces the flower buds which are used for food the second year after sowing the seed. North of Virginia the plants require protection in winter. The seed is sown early in the spring. Cover the crowns of the plants with coal ashes as soon as the ground freezes.

**LARGE GREEN GLOBE.** The standard variety. Pkt. 10c; oz. 90c.

**JERUSALEM.** Produces bulbs that are used as a vegetable like potatoes. Plant the bulbs in the spring the same as potatoes. The bulbs are ready to use in the late summer and fall. Also extensively planted for hog feed. The hogs will root out the tubers and grow fat on them. Bulbs per qt. 20c; pk. 85c; bu. (50 lbs.) \$2.75.

## ASPARAGUS

*Spargel (Gr.)**Sparagio (It.)*Asparagus Seeds.

To raise asparagus from the seed the seed should be sown early in the spring. One ounce of seed will sow 75 feet of row and produce about 250 plants. The plants may be set in the permanent bed when either one or two years old.

**GIANT ARGENTEUIL.** A French variety with large green stalks tipped with purple. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

**PALMETTO.** This is one of the best varieties. It produces large, light green shoots early in the season, and is said to be less subject to rust than any other kind. Pkt. 5c; oz. 10c; ¼ lb. 18c; lb. 55c.

Asparagus Roots. We raise large quantities of asparagus roots on our own farm, and can furnish roots that are much larger and stronger than those usually sold. They are raised from thin seedling and given the best of care so they are large, strong and vigorous. See page 7.

**GIANT ARGENTEUIL.** 1-year-old roots, per doz. 25c; 50 roots 50c; 100 roots 85c.

2-year-old roots, per doz. 40c; 50 roots 75c; 100 roots \$1.25; 500 or more at \$1.00 per 100.

**NOTE.** If roots are to be sent by parcel post postage must be added to the price above for quantities over 1 dozen. 100 1-year-old roots weigh 6 lbs.; 100 2-year-old roots weigh about 20 lbs.

## START AN ASPARAGUS BED

It is not as difficult to raise asparagus as many people think. Simply set out the roots in good garden soil and keep the bed free from weeds and the following spring you can cut delicious asparagus. Full directions for culture will be sent to anyone ordering roots, if requested.

## AN EXPLANATION.

Some of our customers have written us that they did not receive the usual prompt attention to their orders last season to which they have been accustomed in former years.

We think they are entitled to an explanation. We prepared last year for about the usual amount of business which is ordinarily quite light in January and February. Many seeds grown for us at a distance were very late in reaching us, so we could not get them tested and ready to send off as early as usual.

Then we commenced to get a phenomenal number of orders which could not be filled at the moment because some of the seeds called for were not ready.

On top of these came more orders, and then more. We found it impossible to get them filled and dispatched as fast as they came in, until there had accumulated so many about the first of March, when the usual rush of orders begins, that we could not catch up, although we all worked day and night with as large a force as we could get together.

The orders were filled according to the date they arrived. So on the first of March for instance, we were filling orders that came Feb. 18th or 20th. All orders that came in the mean time were held waiting their turn. We had often over three thousand unfilled orders on hand.

Our customers commenced to write us asking about their orders. We could not tell much about them until we found the order, and that took a lot of time. It was simply impossible to look up every order inquired about, so there was some delay in answering these inquiries, which we regret very much.

This year we are much better prepared to handle orders and feel sure we can make a much better showing.

For many years we have always filled orders promptly, with the exception of last season, and we are sure we can now redeem our reputation for prompt service.

Bohnen (Gr.)

## BEANS

Faginoiti (It.)

**Culture.** Garden beans of the dwarf or bush varieties are usually sown in rows 2 feet apart, dropping the seed 2 inches apart in the row. Do not sow until the ground is warm and danger of frost is past.

Dwarf Lima beans should be planted 19 to 20 inches apart in the row, dropping 2 or 3 seeds in a place. The rows should be 3 feet apart. Do not plant until the ground is thoroughly warm. In this locality the last week in May or first of June is the proper time to plant. Cover the seed only about 1 inch deep.

## Notes on Varieties of Wax or Yellow-Podded Bush Garden Beans

The new **Michigan White Wax** has pure white beans which can be used for baking when ripe, while the pods are of fine quality when young. **Wardwell's Kidney Wax** is early, and has very long pods, while **Round Pod Kidney Wax** differs only in shape of the pods, which are round instead of flat. **Burpee's New Kidney Wax** has narrower and thicker pods than Wardwell's and is more prolific. The **Hudson Wax** is two weeks later, more vigorous and prolific, and is free from rust and blight, but not of the best quality. **Davis' White Wax** is early and prolific, and the pods resemble Wardwell's Kidney Wax, but are not of as good quality. **Currie's Rust-proof** has medium long, thick deep yellow pods of fine quality and nearly rust-proof. The dry beans are black. The **Improved Rust-Proof Golden Wax** has straight, flat pods, rather short, quite free from rust and of fair quality.

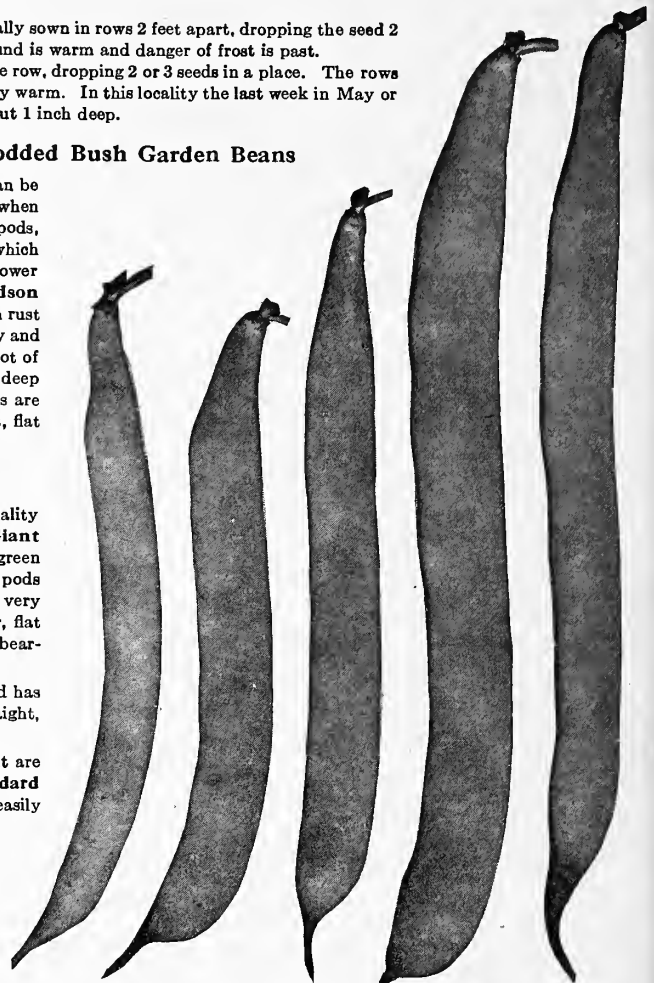
## Green-Podded Garden Beans

**Stringless Green Pod** is one of the earliest and is of fine quality with large round stringless pods, light green and nearly straight. **Giant Stringless Valentine** is more prolific, has large, stringless, light green pods of high quality. The **Black Valentine** is just as early, has pods fully as long, but not so thick, and is not of as fine quality, but is very prolific. **Bountiful** is only a day or two later, has long, slender, flat pods of the finest quality, and perfectly stringless. Continues in bearing a long time and is very prolific.

**Full Measure** is very prolific, nearly as early as Bountiful and has round pods of high quality. **Refugee** is still later and has long, straight, round, light green pods, of fine quality when young.

For shelling green, Dwarf Limas are of the best quality, but are more difficult to raise than **Ruby Dwarf Horticultural** and **Goddard** or **Boston Favorite**, both of which are very hardy, prolific and easily raised, and of fair quality for succotash, but far inferior to Limas.

Of Dwarf or Bush Limas there are three distinct types of which **Burpee's** is the largest, having large flat beans, fully as large as those of the old pole Limas. **Burpee's Improved** belongs in the large Lima class, but has thicker and heavier beans than the old strain. **Dreer's** and the "**Fordhook**" have round or "potato" beans, and **Henderson's** has small, flat beans, which mature a little earlier than the other two. **Henderson's** is very hardy and prolific, and will succeed anywhere, but the beans are only half the size of **Burpee's**.



Valentine Wax    Michigan White Wax    Currie's Rust Proof    Wardwell's    Davis Wax  
WAX OR YELLOW PODDED BUSH BEANS

## SOME ESPECIALLY GOOD KINDS

**Giant Stringless Valentine.** We consider this the best early green podded dwarf bean with round pods. It is very early and prolific, and the pods are thick, stringless and of fine quality. See price below.

**Bountiful.** Differs from the Valentine in having flat pods instead of round. This bean is very early and wonderfully prolific, and of high quality, the pods being meaty, tender and stringless. It continues in bearing a long time. See price below.

**WEBBER WAX.** A very early wax bean with long, flat, bright yellow pods which are produced in great abundance. See page 7 and price below.

## PRICE LIST OF DWARF BEANS

	Pkt.	Pt.	Qt.	Pk.
WAX OR BUTTER BEANS				
Webber Wax or "Cracker Jack"—See page 7.....	\$0.12.	\$0.40	\$0.75	....
Valentine Wax. Crop failed.....	....	....	....	....
Michigan White Wax (New).....	.12	.40	.70	....
Burpee's New Kidney Wax. Long flat yellow pods of fine quality. Very early and productive.....	.12	.40	.75	....
Wardwell's Kidney Wax. Very large, flat pods of deep butter yellow. Early and of high quality.....	.12	.40	.75	....
Round-Pod Kidney Wax (called also "Brittle Wax"). Like Wardwell's, but has round pod.....	.12	.40	.75	....
Hudson Wax. Very prolific, yielding nearly twice as much as other kinds. Quite late; pods long, straight and handsome, but only of fair quality.....	.12	.40	.70	....
Davis White Wax. Very hardy and prolific, of only fair quality.....	.12	.40	.70	....
Crystal Wax. Late, fine for home use, tender and delicious. Crop failed.....	....	....	....	....
Improved Rust-Proof Golden Wax. Short flat pods of good quality.....	.12	.40	.70	....
Currie's Rust-Proof Black Wax (Improved Black Wax). Flat, deep yellow pods of good quality, very hardy and prolific.....	.12	.40	.70	....

## GREEN PODDED GARDEN BEANS

Four quarts of one variety will be supplied at half the peck price.

	Pkt.	Pt.	Qt.	Pk.
<b>Full Measure.</b> Round pods; very prolific; medium early.....	.12	.40	.75	....
<b>Stringless Green Pod.</b> Round pods of high quality. Early and productive.....	.10	.35	.65	\$4.00
<b>Giant Stringless Valentine.</b> The best early green-podded bush bean. See description above.....	.10	.35	.65	4.00
<b>Black Valentine.</b> Very early and prolific and one of the most profitable market varieties, but not of high quality.....	.10	.35	.65	4.00
<b>Bountiful.</b> Very prolific and of fine quality.....	.10	.35	.60	3.90
<b>Improved Round-Pod Valentine.</b> Extra early, very prolific.....	.10	.35	.60	....
<b>Refugee, or 1000 to 1.</b> Round, light green pods of good quality when young; late.....	.10	.30	.50	3.75
<b>Goddard or Boston Favorite.</b> For shelling green.....	.10	.30	.60	....
<b>Ruby Dwarf Horticultural.</b> Better than the old Horticultural. Crop failed.....	....	....	....	....
<b>French Horticultural.</b> Later and more prolific than the above and grows taller. Crop failed.....	....	....	....	....

## BUSH LIMA BEANS

Bush Limas are more easily raised than the pole varieties, but do not yield quite as much. They do best on rather heavy or "strong" land. Do not plant too early as the seed is apt to rot if the ground is wet and cold.

**BURPEE'S IMPROVED.** This early strain of Burpee's Bush Lima has beans of larger size and deeper green color than the old strains and the vines are more true to the bush form with fewer runners. The beans are both larger and thicker than the old form, and the pods are also larger. For market, whether the beans are sold shelled or in the pod, this new strain will be found superior on account of its larger size and better color. With us is not as prolific as the "Wonder" strain. Crop failed.

**BURPEE'S BUSH LIMA—New Wonder Strain.** This improved strain bear larger crops and is earlier than the old and original variety. The beans are as large as the pole limas and of equally fine quality, while they mature earlier and are far less trouble to raise. It is the earliest large podded Lima, and with us the most prolific. Pkt. 12c; pt. 40c; qt. 75c; 4 qts. \$2.75; pk. \$5.25.

**FORDHOOK BUSH LIMA.** This is a remarkable improvement on the old Dreer's Bush Lima. It is so much better in every way that it will certainly displace the old variety. The pods are large and the beans are very thick and plump, of fine quality and deep green in color. The vines are vigorous and productive and the beans mature medium early. Those who prefer the thick "Potato" Limas will find this new strain far superior to any other. Pkt. 12c; pt. 40c; qt. 70c; 4 qts. \$2.50; pk. \$4.75.

**DREER'S OR "POTATO" BUSH LIMA.** Large, thick, nearly round beans of good quality. Not as large or prolific as Fordhook, which is superior in every respect. Pkt. 10c; pt. 35c; qt. 65c; 4 qts. \$2.25.

**HENDERSON'S BUSH LIMA.** Small, early and prolific; not of as fine quality as Burpee's Bush and Fordhook, but more easily raised. Pkt. 10c; pt. 35c; qt. 60c; 4 qts. \$2.00.

For Pole Limas see next page.

## FIELD BEANS—For Dry Use

Should be planted about the middle of June in rows 2½ ft. apart, beans about 2 inches apart in the row. A quart will plant about 275 ft. of row and should produce ½ bu. beans on good garden soil.

**Yellow Eye.** Medium size white beans with a yellow spot or "eye." The beans are of very fine quality when cooked, being without the tough skin found on common white beans. We highly recommend this bean for home use and also for market. It produces large crops and matures early. Pkt. 10c; pt. 20c; qt. 35c; pk. \$3.50.

**Boston Marrow or White Marrowfat.** Large, plump, white beans of high quality; very productive on good soil. Pkt. 10c; pt. 20c; qt. 35c; pk. \$3.50.

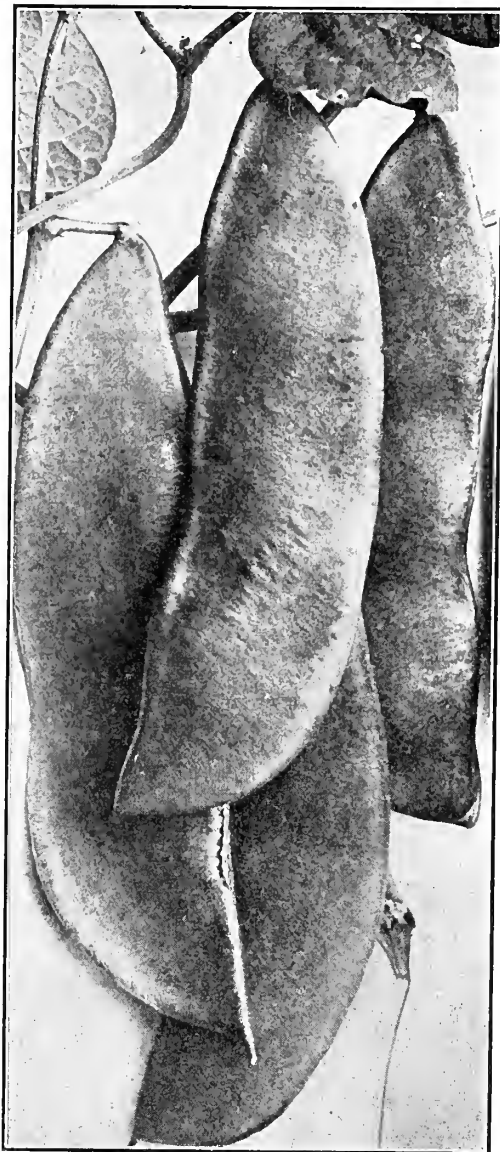
**Marrow Pea or White Navy.** Small and very prolific. Pkt. 10c; pt. 18c; qt. 30c; pk. \$2.00.

**Red Kidney.** Large, red kidney-shaped beans; yields heavy on strong land. Pkt. 10c; pt. 25c; qt. 40c; pk. \$3.25.

**White Kidney.** Large, kidney-shaped beans. This bean is of the finest quality when cooked. Far superior to common kinds. Pkt. 10c; pt. 30c; qt. 55c; pk. \$3.50.

**Imperial or Tree Bean.** This variety has lately become very popular. It is a good yielder and carries the pods well above the ground on strong, upright plants which keep them from getting injured by wet weather before harvesting. The beans are kidney-shaped, but smaller than White Kidney. This is now one of the most profitable market beans. It is also excellent to raise for home use, as the beans are of fine quality. Pkt. 10c; pt. 30c; qt. 50c; pk. \$3.25.

**NOTE.** The prices quoted above for Field Beans are subject to market changes. Please write for price per bushel, naming the kinds and quantities required.



Burpee's Bush Lima Beans, Wonder Strain



## POLE OR RUNNING BEANS

Beans of this class should have some kind of support on which to climb. Poles are usually placed in the ground and the beans planted around them in a circle. Another good way is to place a strong post on each end of the row and string a wire at bottom and top. From these wires run strong strings back and forth for the vines to climb on.

**NOTES ON VARIETIES.** Of the pole limas **Early Leviathan** is the earliest and has large pods and is the best variety for either home use or market. **King of the Garden** is later, but has very large pods. **Challenger Lima** has thick, nearly round beans which are large and of good quality. This is an improved strain of Dreer's or Potato Lima and is superior to that old variety in every way. **Golden Cluster Wax** has large, deep yellow pods that are entirely stringless and of the highest quality as a snap bean. It is wonderfully prolific. **Scotia** is a green podded snap bean of very superior quality and remarkably productive. **Kentucky Wonder** is similar to **Scotia**, but is earlier and not of quite as good quality. The pods are very long, deep green and of fine quality when young. **Golden Carmine Podded Horticultural** is a bean that can be used either as a "snap bean" or shelled green like limas. It is by far the best variety of this class. It has large pods that are green when young, but become yellow with bright red splashes when mature, and are of excellent quality.

## LIMA AND OTHER POLE BEANS

	Pkt.	Pt.	Qt.	4 qts.
<b>Early Leviathan Lima.</b> The best and earliest large pole Lima.....	\$0.10	\$0.35	\$0.65	\$2.25
<b>King of the Garden Lima.</b> Very large pods and beans.....	.10	.35	.65	2.25
<b>Challenger Lima</b> (Improved Dreer's or Potato Lima).....	.10	.35	.65	2.25
<b>Golden Cluster Wax.</b> Immense flat, deep yellow pods, ½ in. wide and 6 to 8 inches long. Crop failed.....	....	....	....	....
<b>Golden Carmine-Podded Horticultural.</b> Crop failed.....	....	....	....	....
<b>Speckled Cranberry, or London Horticultural.</b> .....	.12	.40	.70	....
<b>Scarlet Runner.</b> Ornamental vine, bright red flowers, very handsome.....	.10	.35	.65	....
<b>Kentucky Wonder.</b> Long green round pods of fine quality and very prolific.....	.10	.30	.55	2.00
<b>SCOTIA.</b> The most delicious snap bean. (See page 8).....	.10	.40	.75	....
<b>LAZY WIFE.</b> Very productive of large, flat green pods; entirely stringless and of fine quality.....	.12	.40	.75	....

**Beans by Parcel Post** When ordering seeds to be sent to you by parcel post enough extra money must be added to cover the charges for postage. A pint of beans, peas or corn weighs one pound; a quart two pounds; a peck fifteen pounds. See rate of postage, page 5.

*Ruebe (Gr.)*

## BEETS

*Barbabetola (It.)*

One ounce of seed will sow 60 feet of row. Ten pounds will sow an acre in rows 18 inches apart.

Beets can be sown early in the spring, and again a few weeks later for a succession. It is an excellent plan to sow some in July for use in the fall. These young beets can be put in a pit or root cellar and covered with sand, and will keep in nice, tender condition for use in winter.

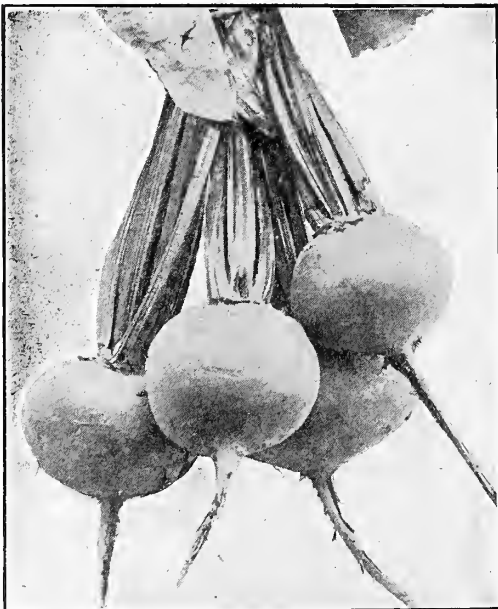
## CROSBY'S IMPROVED EGYPTIAN BEET

### Harris' Selected Strain

There is no earlier or better table beet than a first-class strain of Crosby's Egyptian. We have been raising seed of this beet for a number of years, and by taking great pains in selecting the roots used for seed production we have produced a strain that will satisfy the most critical gardener. The beets are **globe-shaped**, as shown in the photograph reproduced here, and are very smooth, with small tops and small tap root, and they are **dark red all through**. When selecting beets for raising seed a small piece is cut from each beet, and if the color is not dark red the beet is rejected, and of course a great many beets are rejected for other causes, such as too large tops, poor shape, etc. To raise seed in this careful manner costs a great deal, but we think any gardener can well afford to pay a little more for it than for seed raised in the usual way.

We are sure our strain will be found equal, and in most cases far superior, to any seed obtainable, **no matter what the price.**

There are some varieties claimed to be earlier than the Egyptian, but after trying them all we have failed to find one a day earlier than our strain of this variety, and most of them are later or inferior in shape and quality. We offer seeds of our own growing from the most carefully selected roots. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. \$2.50.



Crosby's Improved Egyptian Beet

**CROSBY'S EGYPTIAN BEET.** To meet the demand for cheaper seed of this variety we offer some first-class seed, not of our own growing, but grown by a reliable grower. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.75.

**Long Season** A valuable variety for fall use. The beets remain tender for a long time. Pkt. 10c; oz. 25c; ¼ lb. 65c.

**Detroit Dark Red** A medium early globe-shaped beet of excellent quality. It is especially esteemed on account of its dark red color which extends entirely through the beet, and without the light colored rings seen in some varieties. The beet is smooth and handsome and is now being largely used for canning as well as for the market. It retains its good quality even after it gets large, and is an excellent variety on this account for fall use as well as for spring. We have a very fine strain of this beet, being of **uniform globe-shape, small tops and very dark red.** Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**Crimson Globe** The beets are round or globe-shaped, and of a bright red, not as dark color as **Detroit Dark Red**. The quality is fine and the beets remain in good condition for the table until they are fully grown. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**Eclipse** This is one of the earliest and handsomest beets grown. The beets are globe-shaped, smooth and with very small tops, and are of the finest quality. Not of as dark color as Crosby's Egyptian or **Detroit Dark Red.** Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**Edmunds' Blood Turnip** The beets grow large, yet remain tender and of good quality for a long time. Larger and a little later than **Eclipse.** Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50

**LONG SMOOTH BLOOD RED.** Roots long, smooth and very dark red, and of high quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**EARLY BLOOD TURNIP.** We have an excellent strain of this old favorite. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

**EARLY BASSANO.** Large, very early and of excellent quality; rather light in color. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50.

## SWISS CHARD or SEA KALE BEET

*Beisskohl* (Gr.)

*Bieta* (It.)

Swiss Chard is a beet grown for its leaves. The mid-rib when boiled makes delicious greens, or the leaves may be boiled and served as spinach. Sown in the spring the leaves are soon ready to eat, and will continue to grow all through the summer and fall. If given a little protection it will survive the winter and make excellent greens early in the spring.

**LUCULLUS.** A new variety with curled leaves like a Savoy cahbage. The plant grows nearly 2 feet high and the stem and leaves are very large and of fine quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.60.

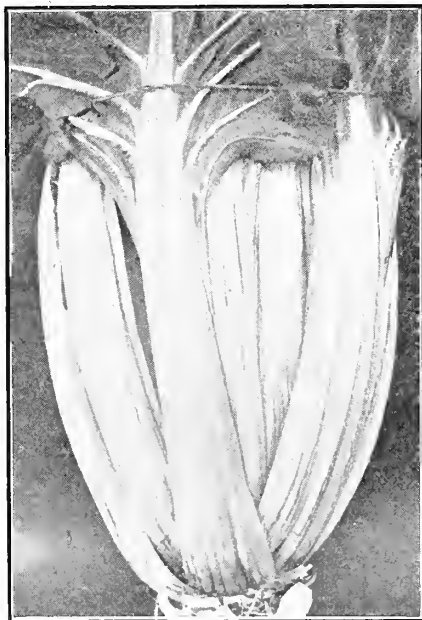
**SILVER LEAF.** Large, smooth leaves with silvery white stems which are tender and of fine flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

## MANGEL WURZELS AND SUGAR BEETS

Most economical and valuable food for cattle and sheep

There is no crop more valuable for feeding cows and sheep than mangels and sugar beets. Considering the fact that it is easy to raise 40 tons or more per acre and that the whole root is perfectly digestible, there being no waste as is the case with corn stalks or other coarse fodder, there is no other food more economical. Not only this, but cows fed on mangels during the winter will give more and better milk than they will on any other food. Sheep also are much healthier and ewes with lambs give more milk, and therefore raise better lambs than if fed only dry food. It is the poorest kind of economy to try to get along without them.

**CULTURE.** Any soil that will raise good crops of corn or potatoes will do for mangels. Sow in May, in rows 2 feet apart. Seed may be sown with a grain drill, but a hand drill is better. It requires about 8 or 10 pounds of seed per acre. Plants should be thinned out to 1 foot apart when a few inches high. Mangels are also easily transplanted and may be sown thickly and the plants set out a foot apart in the rows. In this way you get a perfectly even stand of plants.



Swiss Chard—Silver Leaf



Danish Yellow Giant Mangel

**DANISH YELLOW GIANT.** The roots grow to a very large size, of a deep yellow color, and are smooth and handsome, having small tops and very few side roots. They grow over two-thirds above ground, so they can be harvested with very little trouble.

Although these mangels are not quite as rich in sugar as some of the smaller beets, yet they yield so much more that they produce more actual dry matter per acre than other kinds.

When different varieties of mangels are planted together the contrast between this new variety and other kinds is very marked, the Danish Yellow Giant being far ahead in size and vigor of growth and yields 100 bushels more per acre than any other kind. Pkt. 5c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**NEW "HALF-SUGAR" MANGEL.** This mangel or giant sugar beet is intermediate between the large mangels and the sugar beets. The roots are white with red tops, and grow to a large size, oval in shape, growing half out of the ground, and have small tops. The roots contain a higher percentage of sugar, and are therefore more valuable for feeding than the larger and coarser mangels. This giant sugar beet yields much larger crops than any other kind of sugar beet and nearly as much per acre as the largest mangels. Pkt. 5c;  $\frac{1}{4}$  lb. 25c; lb. 90c; 5 lbs. or more 85c per lb.

**GOLDEN TANKARD.** Roots oval in shape, bright yellow outside and the flesh is yellow all the way through. The mangels are large; easily harvested and of good quality. We have a very fine selected strain of this variety. The roots grow very uniform in shape and the flesh is of a deep yellow color. Pkt. 5c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**MAMOTH LONG RED, or Norbiton Giant.** This variety has produced the largest yield of any kind of mangel at the field trials held at Cornell University. The quality of the roots for feeding is high. The roots grow very large and keep well. Pkt. 5c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

## USE SEED ECONOMICALLY

There is not enough seed in this country to meet the normal requirements of cabbage, mangels, radish and turnips; there is not half enough!

All planters should be careful not to waste seed by using more than is necessary to get a good stand of plants.

If you use Harris' seeds you can tell just how thick to sow, because the percent that will grow is marked on the label.

If you use some other seeds you have to guess how much to sow. But sow less than usual. Most people sow seed too thick. Mangels, for instance, should stand over a foot apart. To sow ten or a dozen seeds to the foot of row is a waste, if the seed is good. It is the same with many other kinds. You can get along with less seed if you try.



*Rosenkohl (Gr.)***BRUSSELS SPROUTS***Cavoli di Bruxelles (It.)*

One ounce of seed will produce 3000 plants.

A delicious vegetable that is becoming very popular in all large markets. It should be more largely grown in private gardens, as it affords fresh green sprouts in the late fall and winter when other vegetables are gone. It is cultivated like cabbage. Sow the seed in the open ground in May and set out the plants the middle of June 2½ feet apart. The sprouts that grow along the stem are picked off and cooked like cabbage or cauliflower and are very delicate and fine flavored.

**LONG ISLAND IMPROVED DWARF.** A popular variety on Long Island where this vegetable is grown on a large scale for market. Does not produce as solid sprouts nor head as evenly as the Danish Improved. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.75.

**DANISH IMPROVED.** A fine new variety that produces uniformly nice, solid sprouts. The plant grows medium tall and the stems are often completely covered with the sprouts. Pkt. 10c; oz. 35c; ¼ lb. \$1.10.

**PLANTS.** We can furnish Brussels sprouts plants at proper time for transplanting. See Plant Department, last pages of this catalogue.

*Kraut (Gr.)***CABBAGE***Cavola cappuccio (It.)*

One ounce of seed will produce 1000 to 2000 plants sown in open ground, or 3000 if sown in frames. It requires about 6 ounces of seed to produce plants for an acre of ground.

**The Best Cabbage Seed.** We have raised cabbage seed for over 30 years and have made a special effort to produce only the very best seed regardless of cost. By careful breeding we have produced some very fine strains that will satisfy the most critical grower.

**METHODS OF CULTURE.** To get very early cabbage in the Northern states the seeds should be sown in hotbeds in February or March, or about six weeks before the ground outside is ready to receive the plants. For medium early crop the seed of early kinds like Enkhuizen Glory, Copenhagen Market, Burpee's All Head and Early Spring may be sown in the open ground as early as possible and the plants transplanted as soon as large enough. This will give cabbage ready for use in August if the land is rich and well cultivated. For the late crop the seed should be sown in this latitude about May 20, and the plants set out July 1. Seed of early varieties may be sown as late as June 15, and will mature a good crop. For late sowing Enkhuizen Glory and Burpee's All Head are excellent varieties.

**Early Varieties of Cabbage.** Among the earliest kinds the different strains of Wakefield are best known. Early Jersey Wakefield is extremely early and has medium-sized pointed heads. Charleston Wakefield has larger heads, not so pointed as the Jersey Wakefield, and matures two weeks later. Of the early flat-head kinds, Enkhuizen Glory and Copenhagen Market are the earliest, while Burpee's All Head Early is a little later and is most often used for planting late for a fall crop. The new Stanley is of very high quality, being far superior to other kinds for table use.

**ENKHUIZEN GLORY CABBAGE**

This remarkable early cabbage is increasing in favor among gardeners every year. Since we first sold the seed in 1908 we have received a great many words of praise for it and not one word against it.



Enkhuizen Glory Cabbage (Photograph)

This cabbage is as early as Charleston Wakefield and grows twice the size. The heads are as round as a ball, very solid and heavy, often weighing 10 pounds or more. It has few outside leaves and will bear close planting.

Early Wakefield will come into market a week or two ahead of the Glory, but the Glory will be ready when the Wakefield is half gone, and will sell for twice as much per head. It is as early as Eureka or Maule's First Early and very much larger.

**FOR LATE CROP.** This is not only a great cabbage for early market, but it is also a most profitable variety to raise for fall use. If the plants are set out in this locality (western New York) the middle of July the cabbage will mature ready for market in October and immense crops can be raised. On good soil practically every plant will produce a large solid head weighing 8 to 10 pounds, or 20 tons per acre. The heads are about the same shape as Danish Ballhead and nearly as hard, although they will not keep as well when stored over winter.

We have an exceptional fine strain of this cabbage that produces heads of uniform type, large size and very solid, and practically every plant will make a good head. Pkt. 10c; oz. 50c; ¼ lb. \$1.40; lb. \$5.00.

"Be sure to send me the same strain of Enkhuizen Glory cabbage that you did last year. I had them all stopped on early cabbage around here last year. I weighed several that went thirteen to fifteen pounds each."—Mr. Arthur G. Ellis, Clinton, N. Y.



Danish Improved Brussels Sprouts



## COPENHAGEN MARKET CABBAGE

The heads are nearly round or slightly flattened, very hard and heavy. The growth is compact, there being few outside leaves, so the plants may be set close together.

In our trial grounds the Copenhagen Market headed a week earlier than Enkhuizen Glory, and almost as soon as Jersey Wakefield and fully as early as Charleston Wakefield.

The most remarkable point about this cabbage is its uniformity— every plant under normal conditions will produce a good, solid head, and every head as like another as two peas in a pod. The heads mature all at the same time so the crops can be cleaned up within a short time after the first heads mature.

This is a profitable cabbage to grow for market and an excellent early variety for the home garden. Unfortunately the crop of seed was almost an entire failure the past season. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$7.00.



Copenhagen Market Cabbage

## OTHER EARLY VARIETIES OF CABBAGE

	Pkt.	Oz.	¼ lb.	Lb.
STANLEY (New). The best for the home garden. See page 11.	\$0.10	\$0.45	\$1.30	....
EARLY JERSEY WAKEFIELD. Special selected strain, heads of good size, very uniform and compact. Our strain of this variety is far superior to that usually sold.	.10	.50	1.40	5.50
CHARLESTON WAKEFIELD. Larger, broader and not so pointed as the above and a little later. We have a fine strain of this variety. Every plant makes a good large head.	.10	.40	1.00	3.75
BURPEE'S ALL HEAD EARLY. Medium early; large solid heads, and of very compact growth. One of the best for summer use or for planting late for main crop. We offer seed of the very finest strain which produces even crops of large solid heads.	.10	.45	1.30	5.00
Henderson's Early Summer. Medium early, flat heads.	.10	.35	.90	4.50
Early Spring. Early and very fine; flat heads, solid and compact.	.10	.40	1.00	...
HARRIS' SUMMER BALLHEAD. Crop of seed failed.				

EARLY CABBAGE PLANTS. We can furnish very fine transplanted cabbage plants ready April 15 to May 15. See plant Department.

TO PROTECT CABBAGE FROM ROOT MAGGOTS. The maggots which often destroy early cabbage and cauliflower can be prevented by putting tarred paper collars or pads around the stems when setting out the plants. The maggots come from eggs which are deposited on the stems by a small fly. The tarred paper keeps them off. Get a few and try them. 50 pads 15c; 100, 25c; 1000, \$1.50. (Weight 1 lb. per 100).

## LATE OR MAIN CROP VARIETIES OF CABBAGE

Danish Ballhead is now most extensively planted for fall and winter shipping, and is very profitable on good land and under favorable conditions, but it does not yield as much as some of the domestic or flat varieties. It does not succeed south of Pennsylvania. Succession heads evenly and quite early, but cracks badly if not cut as soon as well matured. Volga produces large solid heads and grows so fast that it can be set out late and will produce immense crops.

It has been found profitable in many cases to plant early varieties of flat cabbage for fall market. They produce medium size, hard heads which are preferred in market to the larger heads of the late varieties. For this purpose Burpee's All Head Early is the most popular variety. It has been found very profitable in this locality. Enkhuizen Glory is also excellent for this purpose. It can be set out as late as August 1 on good land. Red Cabbage is used for pickling and is often very profitable to raise for market. The new "Red Danish Stonehead" is an excellent variety. Savoy cabbage is of the finest quality and excellent for home use in the fall and winter.

## DANISH BALLHEAD CABBAGE

**"Short Stemmed" Strain.** The heads as shown in the picture from a photograph are larger around and a little flatter than the "Solid Emperor" and grow on shorter stems. The heads are large, solid and heavy, and yield very heavy crops, often exceeding 20 tons per acre. For cabbage that is to be shipped in the fall this is the most profitable strain to raise. Even when the crop is to be stored some growers prefer this strain on account of the larger yield obtained. Practically every plant produces a fine, large, firm head on good land. See price list next page.

**"Intermediate" Danish.** This new strain is halfway between the tall stemmed "Solid Emperor" and the Short Stemmed strain. The heads are deeper than the Short Stemmed and of darker green color, while the stems are shorter than the "Solid Emperor," and the heads larger and therefore yield more than that variety. We are sure this new strain will please many growers who want a heavier yield than the old Solid Emperor type and want a harder and greener cabbage than the Short Stemmed. See price list next page.

**"Solid Emperor" Strain.** This is the original type of Danish cabbage as first introduced in this country. The heads are perfectly round, very hard and heavy, and of a deep green color. This is an excellent cabbage for storage, as it keeps well and comes out with a nice green color. While it does not yield quite as many tons per acre as the Short Stemmed strain, the heads are harder and keep better and many growers prefer this strain on that account. See price list next page.



Danish Ballhead  
Short Stemmed

### RED CABBAGE, Holland Export

It has been difficult to get a strain of Red Cabbage that would head evenly. In this respect the Holland Export is a great improvement over older kinds. The heads are nearly round, very hard, of good size, and mature about the same time as Danish Ballhead. At least 95 per cent of the heads are firm and solid. (See price list below)

### Red Danish Stonehead

This new Red cabbage from Denmark is much like a red Danish Ballhead. The seed was grown by the same grower who raises our Danish Ballhead cabbage seed and is of the same uniform type. The heads are of medium size (3 to 5 pounds), almost perfectly round, deep red all through and very firm and solid. (See price list below).

## CABBAGE—Main Crop Varieties

	Pkt.	Oz.	¼ lb.	Lb.
Harris' Summer Ballhead (New). Medium early, fine. Crop of seed failed.....		.25		.....
Volga. Large, firm, round heads which mature quite rapidly.....	\$0.05	\$0.25	\$1.50	\$5.50
Danish Ballhead, Short Stemmed. See description above.....	.10	.50	1.90	7.50
Danish Ballhead, Intermediate. See description above.....	.10	.50	1.80	7.00
Danish Ballhead, Solid Emperor. See description above.....	.10	.50	1.80	7.00
Succession. One of the best medium early kinds. Large flat heads.....	.10	.40	1.50	5.50
All Seasons. Large flat heads. A popular variety for fall use. A heavy yielder..	.10	.40	1.50	6.00
Surehead. Large deep heads, solid and compact.....	.10	.45	1.60	5.50
Premium Flat Dutch. The old standard Flat Dutch. A first-class, large, late cabbage.....	.10	.40	1.50	4.50
Fottler's Drumhead. Heads large and flat.....	.08	.35	1.25	4.50
Winningstadt. Pointed heads of medium size, hard and solid. Every plant heads.	.08	.35	1.25	....
Mammoth Rock Red. The largest red variety, heads of good size, deep red and very solid.....	.10	.60	2.00	....
Holland Export. A very fine, red cabbage. See description above.....	.08	.35	1.10	4.00
RED DANISH STONEHEAD. Very firm heads of medium size. See description above.....	.10	.30	.90	3.50
SAVOY CABBAGE, The Herald. A very fine new Savoy; superior to the older kinds. Of very fine quality for table use in the winter. Far superior to common cabbage	.10	.35	1.20	....
Savoy Cabbage, Perfection Drumhead. Large, moderately firm heads of high quality.....	.08	.30	.90	4.50
CHINESE or "CELERY CABBAGE." See page 10.....	.05	.20	.60	2.25

Blumenkohl (Gr.)

## CAULIFLOWER

Cavolflore (It.)

One ounce of seed will produce 1500 to 2000 plants if sown in open ground, or about 3000 in frames.

Early cauliflower is difficult to raise and is not of the best quality, but when the plants are set out in late June or July and the heads form in October there is no difficulty in getting fine, large heads of first-class quality. The seed should be sown in open ground or cold frames about the middle of May or first of June on good soil. When plants are large enough transplant to rich, moist soil. Care must be taken that the plants do not become checked in growth, as that will cause them to head prematurely.

There is nothing so essential to success in raising cauliflower as good seed. The best cauliflower seed is very expensive, but it is worth to the grower ten times as much as cheap and carelessly grown seed. We get the best results from using Snowball and Danish Giant for main late crops as well as for early use. The seed we offer is grown with the greatest care, and 99 per cent of the plants will produce fine, compact heads of good size.

**Danish Perfection.** A fine new strain of Snowball Cauliflower maturing a week or ten days later, having more leaves which protect the heads from the sun. The heads are very firm, solid and snow-white and practically every plant will make a good head under favorable conditions. Pkt. 15c; ¼ oz. 90c; oz. \$3.00.

**Snowball.** "Perfect" strain. Although an early variety, the Snowball is most exclusively for late or main as well as for forcing and summer use. There is no finer cauliflower than a first-class strain of this variety. The heads are large, heavy and close grained, with no leaves growing through them. There is nothing finer than the strain of Snowball we offer, no matter under what name it is sold, or what price is charged for the seed. Pkt. (250 seeds) 15c; ¼ oz. 90c; oz. \$3.00.

### Danish Giant or "Dry-Weather."

This strain of Snowball Cauliflower is especially valuable for high ground, as it is more vigorous than the Early Snowball, and stands dry weather better. Pkt. 15c; ¼ oz. 95c; oz. \$3.50.

**ERFURT EARLY DWARF.** Not quite as early or fine as Snowball, but is an excellent variety both for early and late crop. It is very reliable in regard to heading, and the heads are solid and compact. Pkt. 10c; ¼ oz. 90c; oz. \$3.00.

**LARGE ALGIERS.** Heads of the largest size, white, but not as compact as Snowball. A reliable header, and of very fine quality for table use; not suitable for market. Pkt. 10c; ¼ oz. 40c; oz. \$1.50.



Danish Perfection Cauliflower—A Fine New Variety

**Cabbage and Cauliflower Plants.** (See price list at back of this catalogue.)

We can furnish cabbage and cauliflower plants of the most prominent varieties in this list at lowest prices. Plants ready from the middle of April to middle of July.

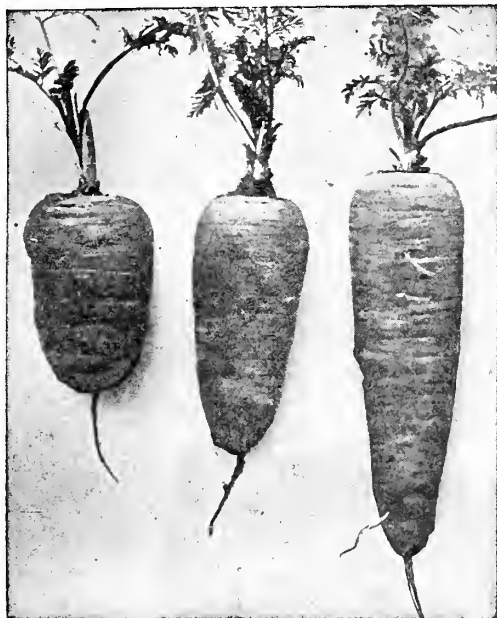


*Carotten (Gr.)*

# CARROTS

*Carota (It.)*

One ounce of seed will sow 150 feet of row. It requires 2 to 4 lbs. of seed to sow an acre, depending upon the distance between the rows

**Oxheart****Harris' Half Long**  
(From a Photograph)**Danvers**

**LONG ORANGE.** We have a fine strain of this variety; roots long, but not too tapering; smooth and straight. An immense yielder. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**OXHEART, or GUERANDE.** A short, thick carrot often nearly as large around as it is long. Excellent for table use or bunching for the market. Matures early. Can be easily pulled by hand and will yield nearly as much as the longer varieties. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

Carrots can be sown from early spring to the middle of summer. The earlier they are sown the larger the crop as a rule, but late sowings often produce nice carrots for bunching in the fall.

**CARROTS FOR FEEDING.** Carrots are of a very high value for feeding cows, horses and sheep, and as very large crops can be grown on a small piece of ground, it pays remarkably well to raise at least a small plot of them every year. They are of great benefit to cows and horses in the fall and winter. One of the best varieties for this purpose is Danvers Half Long. It is more easily harvested than the longer carrots and yields fully as many bushels per acre and on some soils it yields more than a longer variety. A larger yield can be obtained by sowing Mastodon or White Vosges. The carrots, however, are white, and some people prefer the yellow kinds.

**Harris' Perfected Half Long.** This is a very fine strain which produces carrots of uniform shape, smooth skin, without wrinkles or small roots and of deep orange color. The shape of the root, as shown in the photograph reproduced here, is that most desirable for market, being nearly the same size the whole length. The quality is very fine for table use, the roots being without cores, fine grained and sweet. The roots grow about six inches long, and are so smooth and handsome that they always bring the highest price on the market. Seed of our own growing from very fine selected roots. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.75.

**Chantenay.** This popular carrot is much like Harris' Half Long and is used for the same purposes. We have some very fine seed that will be found equal to any obtainable. Pkt. 10c;  $\frac{1}{4}$  lb. 70c; lb. \$2.50.

**Danvers Half Long.** The roots taper a little more at the bottom than Harris' Half Long and grow about two inches longer (eight inches in length), but not quite so smooth and handsome. Color, deep orange yellow. They are of fine grain and of excellent quality, and yield very large crops. This variety is very valuable for stock feeding as well as for market. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00; 5 lbs. or more at \$1.90 per lb.

**EARLY FRENCH SHORT HORN.** The earliest and best carrot for forcing. Our seed is of the finest strain for hothouse forcing. Pkt. 10c; oz. 40c.

**MASTODON, or White Vosges.** A large white carrot for stock. The roots grow very large, but being thick and not too long, they can be easily pulled. We think this variety will yield more good, nutritious carrots per acre than any other carrot. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.



Celery Grown on a Large Scale—See Next Page



Sellerie (Gr.)

## CELERY

Sedano (It.)

One ounce of seed will produce about 4000 plants

Celery is easily raised. The trouble most unskilled gardeners experience is in raising the plants. In the North the seed must be sown very early in the spring, as soon as the ground is free from frost.

The plants should be transplanted in July in rows  $3\frac{1}{2}$  or 4 feet apart, and 6 to 8 inches in the row. Any good, rich, moist soil will raise celery.

We give full directions for culture with every order for seed if requested. We sell plants ready in June and July at low prices. See prices on next page.

**Varieties.** For fall and early winter use **Golden Self-Blanching** is one of the best varieties. **Golden Rose** is of slightly better quality, and keeps longer, but has a red tinge which might not be liked by some people. Both have a fine nutty flavor, and are easily blanched. **White Plume** is handsome to look at, but not of very good quality, and must be used early as it does not keep very well. The new "Easy Blanching" blanches quickly and keeps much better than White Plume, and is of finer quality.

For keeping in the winter **French's Success** is the best variety we know of. It will keep until spring. **Columbia** blanches quicker and can be used earlier in the winter and is of fine quality, but does not keep quite as long. **Giant Pascal** is also good, and has very broad, thick stalks, and keeps well. **New Rose** is excellent for home use, and where a celery of fine quality is appreciated. The stalks are of large size, tinged with red, and very crisp, keep well and of fine flavor.

## PRICE LIST OF CELERY

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
<b>EASY BLANCHING.</b> New. See page 9.....	\$0.12	\$1.25	\$4.50	.....
<b>GOLDEN SELF-BLANCHING,</b> or <b>Paris Golden.</b> The most popular celery for fall and early winter use. Finest French seed.....	.10	1.00	3.25	12.00
<b>Golden Self-Blanching.</b> Seed grown in California from best French seed. Such seed has usually proved nearly if not quite equal to the French.....	.05	.50	1.75	6.00
<b>GOLDEN ROSE,</b> or <b>Rose Ribbed Paris Golden.</b> Like Golden Self-Blanching expect that the stalks are tinged with red and are of superior flavor and keep better.....	.10	1.00	....	.....
<b>COLUMBIA.</b> Resembles Golden Self-Blanching, but keeps better and requires more time to blanch.....	.10	.55	1.85	6.75
<b>FRENCH'S SUCCESS.</b> The best keeper. See page 9.....	.10	.60	2.00	7.00
<b>White Plume.</b> Blanches very easily, but of rather poor quality.....	.05	.25	.75	2.75
<b>GIANT PASCAL.</b> Broad, thick stalks of good quality, a good variety for winter market.....	.05	.18	.50	1.90
<b>New Rose.</b> A red celery of the finest quality, and therefore superior to other winter varieties for home use. The stalks are solid, crisp and of nutty flavor.....	.05	.20	.65	2.50
<b>Golden Heart (Dwarf).</b> An old kind that has been superseded.....	.05	.20	.55	2.00
<b>CELERIAC,</b> or <b>Turnip-Rooted Celery.</b> The bulbous roots are used instead of the stalks. <b>Large Smooth Prague,</b> the best variety.....	.05	.20	.65	2.50

## CELERY PLANTS

We raise large quantities of celery plants, and can furnish strong, stocky plants for less money than it costs to raise them on a small scale. Plants will be ready from May 20th to August 1st. Orders booked at any time, and plants sent when ready.

**PRICE OF CELERY PLANTS.** Early Transplanted plants ready May 20th. **Golden Self-Blanching** and **White Plume.** 75c per 100; \$5.00 per 1000.

**FIELD GROWN CELERY PLANTS.** Ready July 1st. Strong, stocky plants of the following varieties: **Golden Self-Blanching,** **Easy Blanching,** **White Plume,** **French's Success,** **Giant Pascal** and **New Rose.** 35c per 100; \$2.50 per 1000. Not less than 500 of one variety at the 1000 rate.

Write for prices on larger lots.

**Plants by Mail.** If plants are sent by mail (parcel post) postage must be added. 100 plants weigh about 3 pounds. See rates page 6.

## CORN SALAD

Feldsalat (Gr.)

Valeriana (It.)

Used for "greens" like spinach or as a salad. Can be sown in the spring and fall. Succeeds best when sown in the early spring and in August. Can be sown in September and wintered like spinach if given a little protection.

**LARGE ROUND-LEAVED.** The best variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

## CHICORY

Cichorien-Wurzel (Gr. Cicoria selvatica (It.)

Chicory is used for two purposes. The large-rooted variety is used as a substitute for coffee, the root being dried and ground, while the variety called "Whitloof" is used for salad. Both are easily raised from seed sown in the spring in the open ground.

**WHITLOOF,** or "French Endive." Seed sown in May or June produces roots which, when taken up and placed in sand in a warm dark place, throw out tender white sprouts which are used as a salad. These sprouts are often called "French Endive." See page 15. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.25.

## CRESS

Garten-Kresse (Gr.)

Agretto (It.)

**EXTRA FINE CURLED** (also called "Peppergrass"). Leaves finely cut and curled, very handsome and of a pleasant, pungent flavor. Used largely in salads. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 90c.

**WATER CRESS.** This plant is now used very extensively for garnishing and for salads. It can easily be grown on the banks of any small stream or on land that can be flooded with running water. It succeeds best on streams fed by springs that do not dry up in summer. The seed should be scattered on the muddy banks in the spring or summer. Water Cress can also be grown in greenhouses for winter use and is a profitable crop.

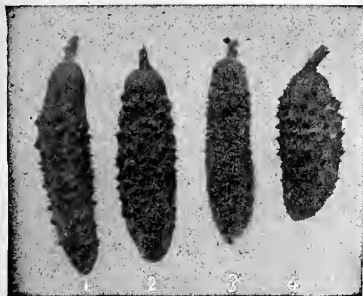
**Improved Broad-Leaved Water Cress.** Larger and better than the common variety. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35.

Gurken (Gr.)

## CUCUMBERS

Cetriolo (It.)

One ounce of seed will plant about 80 hills or sow 50 feet of row. About 3 lbs. of seed per acre.



1. Perfect Jersey Pickle. 2. Long Green.  
3. Cumberland. 4. Chicago Pickling.

Seed is sown in this latitude (western New York) the middle of May for slicing and the first to middle of July for pickles.

**ABOUT VARIETIES.** For both slicing and pickles the different strains of **White Spine** are the most popular. Of these **Davis' Perfect** is one of the best, the fruit is long and very dark green. **Arlington** is of medium length, straight and smooth, and very early, while **Extra Long White Spine** is longer and a little later and produces a very fine, handsome fruit. **Harris' Perfection** is also a strain of **White Spine** and has very long, deep green fruit. **Emerald** is smooth, without any spines and very deep green, straight and handsome and a little later than **White Spine**.

Of the varieties suitable to raise for pickles, **Chicago Pickling** and **Green Prolific** or **Boston Pickling**, are the most prolific, and will produce the greatest number of pickles per acre, but the fruit is rather short and thick and therefore not as desirable as that of **Long Green**, **Perfected Jersey Pickle**, **Arlington White Spine** and **Cumberland**. These all produce long, straight pickles of best quality. The **Cumberland** is covered with very fine spines closely set all over the fruit, which gives it a distinct appearance. The pickles are of fine quality, being very crisp.

**Klondike.** A strain of **White Spine** that is remarkable for its dark green color; fine shape and good quality, both for slicing and pickling. The cucumbers are of medium length, very solid and dark green, retaining their color long after pickling. Matures medium early and the vines are very prolific. See price list next page.

## DAVIS' PERFECT CUCUMBER

This new strain of **White Spine** Cucumber has been selected with great care, and the result is that it produces cucumbers of great uniformity, all being nearly exactly alike in shape, color and size. They are very handsome cucumbers, deep green in color, perfectly straight and about 8 to 10 inches long. The vines are very prolific and healthy. Matures medium late.

It is one of the very best varieties for forcing as well as for the open ground. It is excellent for pickles as it produces a great abundance of nice, straight cucumbers of good color. The seed we offer is of a very carefully bred strain of this variety and produces uniform crops of handsome, straight, deep green cucumbers. It is far superior to most of the so-called **Davis' Perfect** sold. See price list below.



Davis' Perfect Cucumber

## PRICE LIST OF CUCUMBERS

Packets 5c, except where noted	Oz.	¼Lb.	Lb.
<b>Earliest of All.</b> The best extra early variety, 4 to 5 inches long, of the <b>White Spine</b> type....	\$0.12	\$0.30	\$1.10
<b>HARRIS' PERFECTION.</b> A very fine new variety. See page 8.....	Packet 10c .25	.65	2.50
<b>DAVIS' PERFECT.</b> A new and improved strain of <b>White Spine</b> . A very fine cucumber for slicing or market. See description above.....	.15	.35	1.25
<b>Fordhook Famous.</b> A good long cucumber of the <b>White Spine</b> class.....	.12	.35	1.25
<b>Early White Spine.</b> A most popular cucumber. Early, productive and of fine quality for slicing and pickling. Fruit of medium length, bright green with white spines.....	.10	.25	.90
<b>ARLINGTON WHITE SPINE.</b> Differs from <b>Early White Spine</b> in having fruit more pointed at the ends and deeper green, one of the best for market and pickles.....	.10	.25	.95
<b>Extra Long White Spine, or Evergreen.</b> A very fine strain with fruit 10 inches long, straight and handsome. The fruit retains its green color even when ripe. A little later than the other two strains of <b>White Spine</b> .....	.12	.30	1.00
<b>Cumberland.</b> Excellent for pickling and slicing. Fruit is long, slim and very solid.....	.12	.30	1.10
<b>EMERALD.</b> Long, straight fruit that is perfectly smooth and very dark green. One of the very best kinds for slicing.....	.15	.35	1.20
<b>Cool and Crisp.</b> Fruit dark green and of a peculiar icy appearance and of fine quality.....	.15	.35	1.20
<b>Giant Pera.</b> Very long, straight, handsome fruit, late.....	.15	.35	1.25
<b>Japanese Climbing.</b> Vines of very vigorous growth and fruit of first-class quality. Resists blight better than any other kind.....	.15	.35	1.25
<b>Chicago Pickling.</b> Very prolific and one of the most popular kinds for pickles.....	.10	.25	.85
<b>KLONDIKE.</b> Fine for pickles. See description on opposite page.....	.10	.25	.90
<b>PERFECTED JERSEY PICKLE.</b> A fine strain of <b>Long Green</b> which is very prolific and especially adapted to raise for pickles. The young fruit is straight, slender and deep green. One of the best pickling cucumbers.....	.10	.25	.90
<b>IMPROVED LONG GREEN.</b> Fruit long, straight and dark green. Excellent for pickling, slicing and market. Our strain is very much superior to the common <b>Long Green</b> .....	.12	.30	1.10
<b>Everbearing.</b> Fruit short but produced in great abundance, starting very early and continuing late if kept picked.....	.12	.25	.95
<b>Green Prolific, or Boston Pickling.</b> Bears very profusely and is excellent for pickles.....	.12	.25	.95
<b>Early Green Cluster.</b> Short fruit borne in clusters, good for pickles.....	.12	.25	.90
<b>Early Russian.</b> Very early, short fruit of good quality.....	.12	.25	.90
<b>West India Gherkin.</b> Short, prickly fruit, used for pickling.....	Packet 10c .20	.60	....
<b>Lemon Cucumber.</b> About the size and shape of a lemon. See page 13.....	Packet 10c .25	...	....



Welschkorn (Gr.)

## SWEET CORN

Mais (It.)

One quart will plant 400 hills; 8 to 10 qts. will plant an acre

**Good Sweet Corn Seed.** Our eastern grown sweet corn is far superior in sweetness and flavor to the same varieties raised from seed grown in the west where a large part of the sweet corn seed sold by other seedsmen is grown. We take great pains in curing and drying our seed corn, and we are therefore able to offer seed of strong vitality and highest quality in every way. Our seed is very carefully selected and tested for germination, and the percentage that will grow is marked on each package, so you will run no risk of failure in planting it. It may cost a little more than others, but it is worth very much more.

**Notes on Varieties.** Among the earliest varieties of corn we have tried are **Early Dawn** and **Mayflower**, but the ears are quite small, about 5 inches long. **Harris' Mammoth White Cory**, as we now raise it, is just as early and has larger ears. **Pocahontas** is but three or four days later, and has much larger ears and is of much finer quality. **Harris' Extra Early** is very early, has large ears and is of fine quality. **Golden Bantam** is a small, medium early kind, with yellow kernels; highly esteemed by many people. The new "**Buttercup**" is of fully as fine quality as **Golden Bantam**, and has larger ears. It is the sweetest corn we know of. **Kendel's Early Giant** matures very early and has large ears and is very prolific. It is not of the highest quality and is better for market than home use. **Mimms' Hybrid** has large ears and matures medium early and is of high quality. **Metropolitan** has large ears, and is medium early and of good quality.

**Black Mexican** is medium early and of very fine quality, surpassing other kinds in sweetness and flavor.

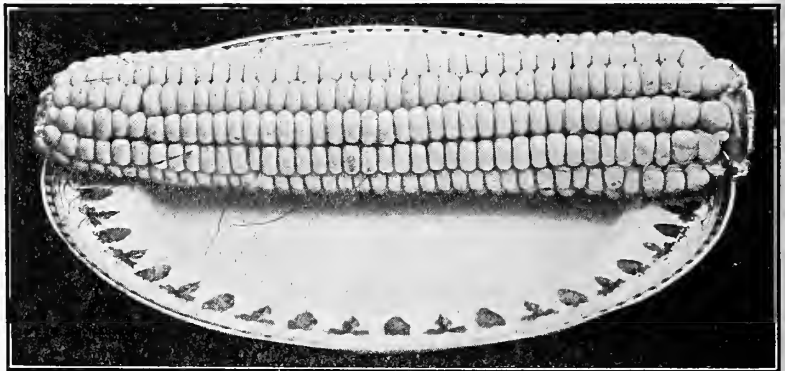
Of the late kinds **Hickox Improved** is one of the best. It has large ears which mature a little earlier than **Evergreen** and is of better quality. The two latest varieties are **Country Gentleman**, with small ears, having the kernels set irregularly on the cob, and of very fine quality, and **Egyptian** or **Washington Market**, with very large ears and corn that is sweet and good. **Burpee's White Evergreen** is a fine strain of the old **Stowell's Evergreen**, and is superior to it in size and shape of ear and in appearance, as the corn is very white.

**For Home Use.** We advise planting the following varieties which will give a constant succession of corn all through the season: **Mayflower**, **Pocahontas**, **Mimms' Hybrid**, **Buttercup** and **Country Gentleman** or **Egyptian**.

## SOME OF THE BEST VARIETIES

(See also page 12)

**Mimm's Hybrid.** We know of no other medium early corn that has as large ears as the **Mimms' Hybrid**, and at the same time is of such fine quality. The ears are 9 to 10 inches long and have 10 to 14 rows of pure white kernels which are sweet and delicious. They mature about mid-season between the early and late kinds, and we consider this one of the very best varieties of its season. The seed we offer is of our own raising from carefully selected ears. See price list next page.



Mimms' Hybrid Sweet Corn

**Early Mayflower.** Among the very early varieties this is one of the best for the home garden where quality is appreciated. No very early corn is of as good quality as the later kinds, but the **Mayflower** is very good for so early a corn. The ears are small (about 5 inches long) with pure white kernels. They mature as early as any kind grown.

**Golden Bantam.** This corn is medium early and has small ears, but the quality is superb. The corn is yellow even when quite young. The corn is tender, sweet and delicious. We have a very fine selected strain of this variety. See price list next page.

**Black Mexican.** This is considered by some people the most delicious sweet corn grown. If picked before the kernels turn black it is certainly of superb quality; being very tender and of the best flavor. The ears are of medium size, eight-rowed and mature medium early. See price list next page.

**Country Gentleman.** The principal advantage of this variety is that it matures late and is of fine quality; far superior to **Evergreen** which is usually raised for the late crop. The ears are only medium size and the kernels are not in regular rows, but are deep and very tender and of fine flavor. It is one of the best late varieties. See price list next page.

## PRICE LIST OF SWEET CORN

Four quarts will be sent at half price of a peck		Pkt.	½Pt.	Pt.	Qt. (1½ lbs.)	Pk. (12½ lbs.)
<b>Early Mayflower.</b> Very early and fine flavor.....		\$0.10	\$0.15	\$0.30	\$0.55	\$3.75
<b>EARLY DAWN.</b> A new extra early corn. Has small ears but matures before most other kinds and is valuable on this account.....		.10	.15	.30	.55	3.50
<b>POCAHONTAS.</b> Very early, large ears. Decidedly the best early corn for home use or market.....		.10	.15	.30	.55	3.85
<b>New EXTRA EARLY Pocahontas.</b> A new strain which is four or five days earlier than the old strain. See page 12.....		.10	.15	.30	.55	3.85
<b>HARRIS' EXTRA EARLY.</b> One of the very best extra early varieties. Large ears and pure white kernels of fine quality.....		.10	.15	.30	.55	3.75
<b>Early Cory.</b> Early and hardy—red cob.....		.10	.15	.30	.50	3.50
<b>HARRIS' MAMMOTH WHITE CORY.</b> Larger than Red Cory, and has pure white corn and is fully as early. Crop failed.....		....	....	....	....	....
<b>GOLDEN BANTAM.</b> Medium early, yellow kernels of fine quality. By many people considered the best flavored sweet corn.....		.10	.18	.35	.60	4.25

## PRICE LIST OF SWEET CORN—Continued

Four quarts will be sent at half price of a peck

	Pkt.	½Pt.	Pt.	Qt. (1½ lbs.)	Pk. (12½ lbs.)
<b>BUTTERCUP.</b> The best flavored and sweetest corn we have ever eaten. See page 12. ....	\$ .10	\$ .18	\$ .35	\$ .60	\$4.25
<b>MIMMS' HYBRID.</b> A very fine medium early corn. ....	.10	.18	.35	.60	4.00
<b>Kendel's Early Giant.</b> Large ears and matures early, following closely after the extra early kinds. Very profitable for market. Ears 8 to 10 inches long, 12 to 14 rows. ....	.10	.15	.30	.55	3.50
<b>METROPOLITAN.</b> One of the best medium early kinds. Ears 8 to 9 inches long, 10 to 12 rows of snow white kernels of fine quality. ....	.10	.15	.30	.55	3.50
<b>Crosby's Early.</b> A fine medium early corn, 10 to 12 rowed, ears of good size and corn is of good quality. ....	.10	.15	.30	.55	3.60
<b>Potter's Excelsior, or Squantum.</b> Medium to late, large ears and the quality is of the very best. ....	.10	.15	.30	.55	3.60
<b>HICKOX IMPROVED.</b> Very large, 10 to 12 rowed ears, often nearly a foot long. Matures a little earlier than Evergreen, and is of finer quality. ....	.10	.15	.30	.55	3.50
<b>BLACK MEXICAN.</b> Many people think there is no corn quite equal to this in quality. Matures medium early, kernels black when ripe. ....	.10	.15	.30	.55	3.75
<b>COUNTRY GENTLEMAN.</b> Late, very prolific, often 3 ears on a stalk, kernels irregular on the cob; quality very fine. ....	.10	.15	.30	.60	4.00
<b>EARLY EVERGREEN.</b> A week or ten days earlier than Stowell's. ....	.10	.18	.35	.60	....
<b>STOWELL'S EVERGREEN.</b> We have a fine strain of this corn. ....	.10	.15	.30	.55	3.90
<b>BURPEE'S WHITE EVERGREEN.</b> An improved strain of Stowell's Evergreen with large, snow white kernels and large and handsomer ears. Matures a little later than Stowell's. ....	.10	.15	.30	.55	3.95
<b>EARLY MAMMOTH.</b> Not an early variety but a little earlier than Late Mammoth, which is a very large late kind. Ears of immense size, much longer than Evergreen and the corn is of superior quality. A fine late variety for market and home use. ....	.10	.15	.30	.55	3.75
<b>Egyptian, or Washington Market.</b> Very large ears, matures late and is of fine quality. Profitable for market and very good for home use to prolong the season. ....	.10	.15	.30	.55	3.75
<b>POSTAGE MUST BE ADDED</b> to above prices if corn is to be sent by mail (parcel post). A pint weighs 1 lb.; quart 2 lbs.; peck 13 lbs. See postage rates page 6.					

## POP CORN

**WHITE RICE.** The ears are 6 to 7 inches long and the kernels are pure white and of large size. Yields well and produces a fine quality of pop corn. Decidedly the best variety to raise on a large scale for market, as it yields best and commands the highest prices. Our strain is very fine. Pkt. 10c; pt. 25c.; qt. 40c; pk. \$2.00.

**RED BEAUTY.** Medium sized ears with small, deep red kernels which look very pretty when popped, the red shell making spots of bright color in contrast to the snow white corn. The stalks produce 3 to 4 ears and the quality of the corn is of the very best. Price same as for White Rice.

**BLACK DIAMOND.** It is generally conceded that this black variety makes pop corn that is more tender and of better quality than other kinds. If well cured the corn will pop perfectly two or three months after it is harvested. Pkt. 10c; pt. 25c; qt. 45c.



Black Beauty Egg Plant

*Loewenzahn* (Gr.) **DANDELION** *Dente di leone* (It.)

The improved cultivated dandelion is a valuable plant for "greens" early in the spring. The seed is sown in the spring and the leaves will be ready to eat the following spring.

**LARGE THICK-LEAVES.** The most desirable variety, with large, thick leaves of excellent quality. Pkt. 10c; oz. 95c.

*Eierpfanze* (Gr.) **EGG PLANT** *Petronciano* (It.)

This is a delicious vegetable which should be in every garden. It is also a profitable market crop. It is cultivated like tomatoes. Care should be taken that the young plants when first set out are not eaten off by potato bugs.

**BLACK BEAUTY.** This is a very handsome, early and prolific variety. While the fruit is as large as New York Improved it matures earlier, and is of a deeper and richer color. The plants are of robust growth and are very prolific. Being earlier than the New York Improved much larger crops are produced before frost. The strain of this variety we offer is very fine and produces large, handsome fruit. Pkt. 10c; oz. 45c; ¼ lb. \$1.30; lb. \$5.00.

**EXTRA EARLY DWARF PURPLE.** A valuable variety. Not large but very early and prolific. Being hardier and earlier than the larger kinds it is valuable for northern latitudes where the seasons are short. Pkt. 5c; oz. 40c.

**NEW YORK IMPROVED (Thornless).** This is a superb strain of this well-known and popular variety. The fruit grows to the largest size and is of perfect shape and deep purple color. The plants are prolific and of tall, upright growth. Market gardeners will find this the finest strain of New York Improved egg plants grown. Pkt. 10c; oz. 45c; ¼ lb. \$1.30; lb. \$5.00.



## ENDIVE

*Endivien* (Gr.)  
*Endivia* (It.)

Endive is used for salad, especially in autumn and winter. It is easily grown. For fall and winter use the seed should not be sown until July 1st. Sow in rows 18 to 20 inches apart and thin the plants to a foot apart. To blanch, either cover the center of the plant with a shingle or light board, or draw the outer leaves over the center and tie them.

**GREEN CURLED.** The leaves are large and finely cut and curled, and easily blanch to a creamy white in the center. This is the most popular variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.10.



Endive—Green Curled

Broad-Leaved Batavlan

**MOSS CURLED.** A beautiful variety, with very finely curled leaves. Blanches perfectly white in the center. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**BROAD-LEAVED BATAVLAN** (Escarole). Large, thick leaves of fine quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.10.

"FRENCH ENDIVE." See Chicory, page 15.

## FENNEL or Fenocchio

Florence Fennel is quite distinct from the common sweet fennel used for flavoring. This variety produces a bulb at the surface of the ground which makes an excellent vegetable with a peculiar flavor. It is very largely used in Italy and by Italians in this country. It is grown by sowing the seed in rows 20 inches to 2 feet apart and thinning or transplanting so the plants stand a foot apart in the rows. Sow the seed in rich soil in June. When the plants are half grown draw earth up to them so as to blanch the bulbs. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50

## GOURDS

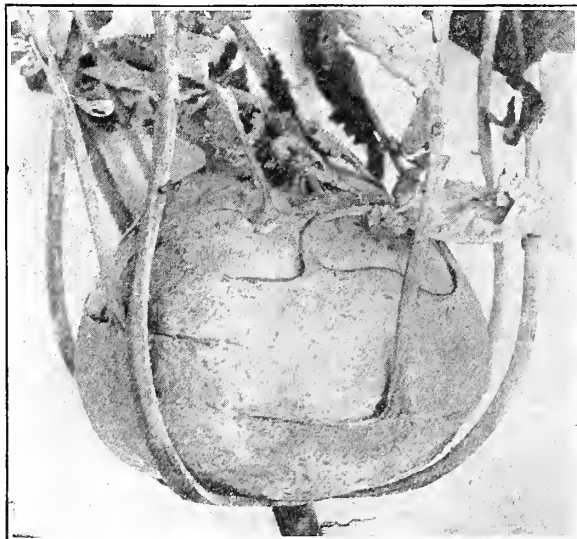
See Flower Seed Department.

## GARLIC

*Knoblauch* (Gr.)

*Aglio* (It.)

Used for flavoring. The bulbs are set out like onion sets about 4 inches apart in the row, and covered 2 inches deep. When tops die down take up the bulbs and dry in a shady place. Bulbs only.  $\frac{1}{4}$  lb. 15c; lb. 55c.



Kohl Rabi—White Vienna

## HORSE RADISH

*Meer Rettig* (Gr.)

*Rafano* (It.)

Horse Radish is easily grown from sets—small lengths of roots. These sets, if planted in the spring in good, rich soil, will form large roots by fall. The sets should be planted with the small end down and the upper portion 2 inches below the surface.

**COMMON VARIETY.** 20c per doz; 60c per 100; \$4.50 per 1000.

**NEW BOHEMIAN HORSE RADISH.** A much superior variety to the common kind. Larger and grows faster. Sets 25c per doz; 90c per 100; \$6.00 per 1000.

**NOTE.** If sets are ordered sent by parcel post, add to above prices postage for  $\frac{1}{4}$  lb. per doz., or 5 lbs. per 100.

## KALE or Borecole

*Blaetterkohl* (Gr.)

*Cavolo rapa* (It.)

Kale is used as "greens" during the winter, and is a most welcome dish when other vegetables are gone. The young and tender shoots that come out on the stalks are delicate and delicious when cooked. They are better after a few frosts in the fall. With a little protection, or when the snow is deep, kale will stand the winter without injury. It is grown the same way as cabbage, but for winter use the seed may be sown as late as July.

**DWARF CURLED GREEN.** The best variety. The leaves are finely curled and of excellent quality. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**TALL GREEN SCOTCH CURLED.** The most popular variety. The plant grows 3 feet tall and produces an abundance of sprouts the whole length of the tall stem, and they are of the finest quality. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

## KOHL RABI

*Knollkohl* (Gr.)

*Cavolo rapa* (It.)

Kohl Rabi produces a large bulb on the stem which is used as a vegetable and also for stock feeding. When used while young the bulb when cooked resembles a fine quality of turnip, but somewhat different in flavor. The seed should be sown in June or July in rows about 2 feet apart, and the plants thinned to a foot apart in the rows.

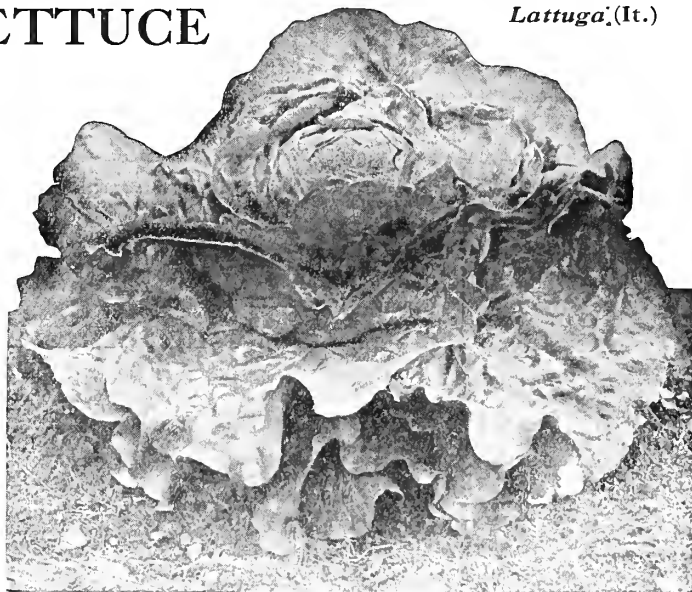
**LARGE GREEN.** This variety is usually grown for stock. It is also good for the table when young. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 70c; lb. \$2.50.

**EARLY WHITE VIENNA.** The best variety for the table. When the bulbs are of the size of a large apple they are ready to use, and are of excellent quality, being tender and of delicate flavor. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.75.

*Kopfsalat (Gr.)***LETTUCE***Lattuga (It.)*

One ounce of seed will sow 250 feet of row

**ABOUT VARIETIES.** There are two distinct classes of lettuce. One forms heads like cabbage, while the other merely produces loose leaves. Where lettuce is grown in the open ground and allowed to remain thick in the row, as is too often the case, the loose-leaved varieties are the best. The best loose-leaved or curly varieties are **Black Seeded Simpson**, **Grand Rapids** and **Tomhannock**. When really fine lettuce is desired, and where one is willing to take some pains in raising it, the head or cabbage varieties are much the best. For forcing in the hothouse or hotbed, **May King**, **Boston**, **Market**, **Big Boston** and **Golden Queen** are the quickest to form heads, and are usually used for this purpose. For sowing in frames and transplanting to the open ground in the spring, the best varieties are **Wayhead**, **Holyrood Hot-Weather**, **Deacon**, **Iceberg**, **Salamander** and **Big Boston**. These are also excellent head varieties for sowing in the open ground early in the spring, and in the late summer and fall. For fall use, seed should be sown in this latitude (Western New York) about the last of July or first of August. Loose-leaved lettuce is also sown in the summer and fall, the same as the head varieties.

**Big Boston Lettuce**

**CULTURE.** To get fine heads in the open ground it is a good plan to sow the seed in a hotbed or box in the house 3 or 4 weeks before the ground outside is ready. Transplant the seedlings to another box or frame 3 inches apart and set the plants in the open ground when ready a foot apart.

In sowing lettuce seed care should be taken not to cover it over  $\frac{1}{8}$  inch deep. If covered much deeper it will often fail to come up.

Seed may be sown in the open ground early in the spring or in July. Sow in rows a foot or more apart and thin the plants when small to 8 or 12 inches apart.

**Golden Queen.** The earliest head lettuce. Form small compact heads a week or ten days earlier than other kinds, and the quality is remarkably fine; the leaves being tender, sweet and nearly white in the center. Does not stand long after heading, but is valuable for early use and forcing. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c.

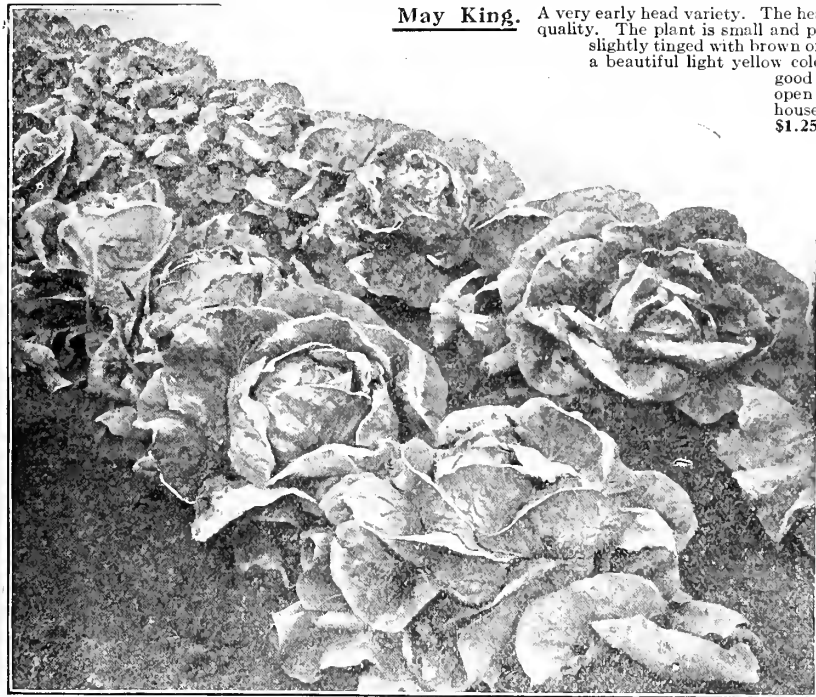
**Wayhead.** A grand new early variety. Forms good large heads earlier than any other kind of equal size we know of. The heads are compact, light green, blanching to white in the center. The leaves are slightly wrinkled or blistered and are of high quality. This is a profitable variety for market and one of the best for the home garden. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**May King.** A very early head variety. The heads form very quickly, and are firm and of fine quality. The plant is small and practically all head, the leaves are light green, slightly tinged with brown on the edges, and are very crisp and tender, and a beautiful light yellow color inside the head. The lettuce will produce good solid heads 10 days before other kinds in the open ground. Also excellent for forcing in greenhouse or hotbeds. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Big Boston.** Forms large compact heads and is one of the most popular varieties for forcing and open ground. It is very largely grown on muck ground in the fall for market. It is the best variety for late crop, as it heads well in cold weather and is not injured by slight freezing. Our strain of this variety is excellent, producing uniformly compact heads and stands well without running to seed. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**Deacon.** We are the original introducers of this magnificent lettuce which has gained for itself great popularity. It is one of the finest of the large heading varieties. The leaves are smooth, thick and tender, and inside the heads are nearly perfectly white and of the finest quality, being crisp, tender and fine flavored and without bitterness or coarseness.

It is important that this lettuce should have plenty of room to grow. Thin out the plants to 10 or 12 inches apart in the rows and you will have magnificent heads. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Holyrood Hot-Weather Lettuce**



## LETTUCE, Continued

**Salamander.** One of the best varieties for summer use as it resists hot sun better than most other kinds. It forms large, compact heads of a light green color and of very fine quality. The leaves are more tender than those of most other kinds. We have a **fine strain** of this popular lettuce which produces heads that are uniformly compact and of the very best quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Iceberg.** One of the best varieties. Heads early and stands **without running to seed a long time**. The leaves are finely cut and curled, and of an attractive light green, while the center of the head is pure white and remarkably crisp and of fine quality. It is certainly one of the best kinds. We have a very fine strain that heads uniformly solid and compact. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Holyrood Hot Weather.** The heads are very large, quite firm and the leaves are thick, tender and of a deep green blanching to white in the center of the head. This lettuce has a rich buttery flavor like the old "Deacon" lettuce, and stands a long time without running to seed Pkt. 10c; oz. 18c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**Unrivaled.** This is also called "Boston Unrivaled" and "Long Lost" lettuce. The heads resemble Boston Market, but **form earlier** and do not have the red tinge of that variety. The heads are firm and of high quality. An excellent kind for the home garden and for market. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

## COS or ROMAINE LETTUCE

**TRIANON, Self-folding.** This improved Cos lettuce makes a compact upright growth, and magnificent large heads often a foot high that blanch perfectly white inside. When well grown on moist land this lettuce is of the **finest quality**. The mid-rib of the leaves is large, crisp and much resembles celery. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**ECLIPSE COS.** Earlier and smaller than the Trianon Cos and more compact. Heads very uniform, and are so compact that they blanch almost perfectly white inside. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c.

## ADDITIONAL VARIETIES OF LETTUCE

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
<b>Boston Market, or White Seeded Tennis Ball.</b> An early head lettuce for forcing.	\$0.05	\$0.35	\$0.35	\$1.25
<b>GRAND RAPIDS.</b> Of upright growth, curly leaves. The most popular curly lettuce for forcing	.05	.15	.35	1.25
<b>WONDERFUL (New York).</b> The largest head lettuce; heads nearly as large as a small cabbage and very firm; blanches perfectly white in the center.	.05	.15	.35	1.25
<b>Hanson.</b> Large compact heads.	.05	.12	.30	1.00
<b>Tomhannock.</b> Very large loose heads tinged with brown and curled at the edges.	.05	.12	.30	1.10
<b>BLACK SEEDED SIMPSON.</b> Forms a large bunch of curly leaves which are very tender, especially if used while young.	.05	.12	.30	1.10
<b>Early Curled Simpson.</b> Like the above, but smaller and earlier.	.05	.12	.30	1.10

*Porree (Gr.)*

## LEEK

*Porro (It.)*

One ounce of seed will sow 150 feet of row.

Leek is a kind of onion that does not form any bulb, but grows in a long stem, which is blanched by drawing earth around it. When blanched in this way it makes an appetizing salad, or is eaten like green onions. Seed is sown in the spring and the leek is ready to use in the fall.

**LARGE AMERICAN FLAG.** The most popular variety; grows to a good size, and is straight and uniform, and is of the best quality. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 40c; lb. \$1.35.

**DOBBIE'S CHAMPION.** A new and improved variety. The "bulbs" are very large, thick, pure white and of the best quality. There is no superior kind for general culture. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

## MUSTARD for Salad

**FORDHOOK FANCY.** A new and beautifully curled mustard that is not only very handsome, but is of very mild, pleasant flavor. The leaves are curled and fringed, and the plant remains longer without running to seed than other kinds. This is certainly the finest variety for salads and garnishings. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**GIANT SOUTHERN CURLED.** Grows nearly 2 feet high, and has finely curled leaves which are excellent for salad. Very popular in the winter and early spring. Pkt. 5c; oz. 8c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

**WHITE LONDON.** Used while young for salad. The seed is used for flavoring pickles. Pkt. 5c; oz. 8c;  $\frac{1}{4}$  lb. 15c; lb. 50c.

## Potatoes Selected from the Best Hills.

There is a wonderful difference between the yield from a really good hill of potatoes and a poor hill. One has 8' or 10' large, smooth potatoes of even size, all of which are suitable for table use or market, while the other has a few small ones not good for anything.

The poor hills are largely due to disease which is transmitted by the seed planted. It is also due to the fact that a potato taken from a hill that has a lot of small potatoes will produce, as a rule, a similar hill even if not diseased. Seed potatoes from the best and most uniform hills will produce the same kind.

We are able to offer this season seed potatoes grown from seed that came from the best hills only. This seed is practically free from disease and will produce uniform, heavy-yielding hills that make the yield per acre very high. Potatoes grown for us for seed produced by far the largest crops in the locality, which shows that selected seed pays.

We offer this selected strain of seed potatoes at only a very little advance over the usual price for common seed, and it is worth twice as much.

For Seed Potatoes, see page 49.

**Melone (Gr.) MUSKMELONS Popone (It.)**

One ounce of seed will plant about 50 hills; 2 or 3 lbs. will plant an acre

It is much easier to raise melons than is usually supposed, and they are so delicious a fruit that it seems strange to us that everyone who has any garden at all does not raise them. All that is required is a good rich, well manured soil, that is not too heavy, and a warm, sunny situation. Our pamphlet, "Cultivation of Vegetables," tells about raising muskmelons. It will be sent with any order for seed if requested.

To tell when a melon is ripe, hold the melon on off the ground by the stem, if it drops off it is ripe; if not, don't pick it.

## New "HONEY DEW" Melon

A Muskmelon that will keep 2 months after picking.

This remarkable new melon comes from the famous Rocky Ford district of Colorado.

The introducer claims that the melons will keep until Christmas.

The melons are large, weighing 5 to 10 pounds, and have a smooth, almost white shell which is very hard.

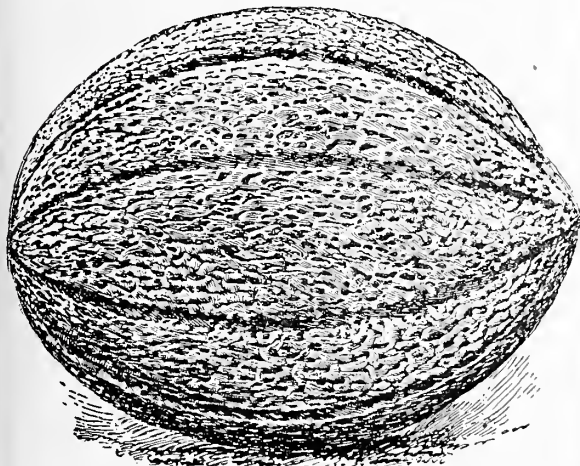
The flesh is of a peculiar green color and very sweet.

This melon did not mature with us the past season which was very unfavorable. It will probably ripen in a normal season, but we do not recommend it for the most Northern parts of the country. They should be grown south of New York state.

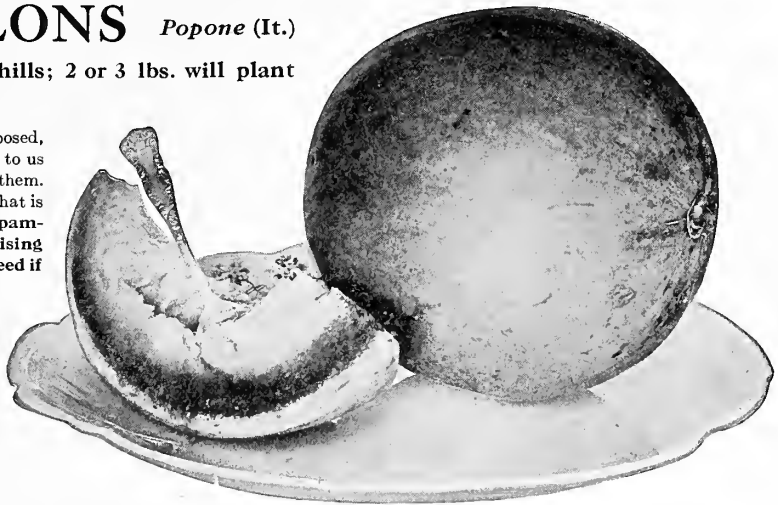
It is claimed that the melons will mature as early as others kinds, but should be picked before they are perfectly ripe and kept in a cool place where they will ripen slowly and keep for two months or more.

They are very distinct in appearance from other melons, and are well worth trying. They may prove to be very profitable for market. Pkt. 10c; 1 oz. 25c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

**Admiral Togo.** Although not a large melon this is a fine one on account of its delicious flavor and great productiveness. The flesh is of a deep orange yellow and very sweet and of a delicious sprightly flavor, quite distinct from other yellow fleshed kinds. The melons ripen early, and are produced so profusely that they nearly cover the ground among the vines. They are oblong and thickly netted, and weigh about 2 pounds each. When a medium sized early melon is wanted we highly recommend the Admiral Togo. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35.



Admiral Togo Muskmelon



New "Honey Dew" Muskmelon

**BENDER'S SURPRISE.** A very fine new variety. See page 13. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.35; lb. \$4.75.

**Lewis' Perfection.** The Lewis' Perfection melons grow very large, often weighing 15 to 20 lbs., and have very thick, deep orange colored flesh of high flavor and very sweet. The melons are dark green, netted and deeply ribbed. They ripen medium early and the vines are quite prolific. When well grown this is a magnificent melon and well worth the extra care and high culture it should have. This is an excellent melon for shipping as it will keep in good condition from three to five days after being picked. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 70c; lb. \$2.50.

**Irondequoit.** A grand melon; large, early and of delicious quality. Flesh orange yellow, thick, sweet and of fine flavor. Very popular in market and fine for the home garden. See page 14. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.00.

**Hoodoo.** A new variety especially adapted for shipping. It is a small netted melon, about the size of Rocky Ford, but more round in shape. The flesh is orange yellow, firm, very sweet and high flavored. The melons are very firm and stand handling well. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.15.

**Paul Rose.** Fruit of medium size and netted; resembles the Rocky Ford or Netted Gem in appearance, but has deep orange colored flesh like the Osage. In fact this melon is a cross between the Netted Gem and Osage and is two weeks earlier than Osage; somewhat smaller and of even finer quality. The melons average about 1½ pounds each and are well netted, very firm, with thick firm flesh and stand up well when shipped. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**The Grand.** This melon originated on the farm of a large grower of melons for shipping to Chicago and other markets. It is about the shape and style of Osage or Miller's Cream, but is of a light green color, and slightly smaller than that variety. It is a week or ten days earlier than Osage and is in our opinion of superior flavor to that variety. The flesh is deep orange in color, very thick, with small seed cavity. The flavor is delicious. It is well suited for market and shipping, and is also one of the very best for the home garden, where a medium early melon of high quality is desired. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**Miller's Cream or Osage.** This is an excellent melon for home use and also for market where it is known. The fruit grows to a large size, is oblong in shape and dark green with slight netting. The flesh is deep orange color, very thick, deliciously sweet, and high flavored. The melons are uniformly of high quality, which cannot be said of many other varieties. The strain we have is extra early; two weeks earlier than the old Miller's Cream. We highly recommend this variety to all who want good sized melons of very fine quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.



**Osage. Perfect Strain.** This seed was saved from a remarkably fine strain of this variety that has been perfected by selection for many years by a careful melon grower. It produces melons of uniform size and shape and of high quality. Pkt 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; lb. \$2.00.

**Rocky Ford.** This is the variety which has made Rocky Ford, Colorado, so famous for good melons. It is a fine strain of Netted Gem. The fruit is oval in shape and covered with fine netting. The fruit is of medium size and very uniform. The flesh is very sweet, yet has the peculiar sprightly flavor so much desired in a muskmelon. It is **medium early** and **prolific**. Although the melons are rather small there are so many of them on a vine that they yield as much as larger kinds. We have some pure seed of the genuine Rocky Ford strain. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Delicious Gold-lined Rocky Ford.** A very fine strain of the Rocky Ford melon. See page 14. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb. \$1.60.

**Emerald Gem.** The earliest and one of the best flavored muskmelons. There are few varieties equal to this for home use. While the fruit is not large, it ripens very early, and each vine produces a large number of melons. The flesh is orange or salmon colored, **thick, sweet, and of fine flavor**. The Emerald Gem can be relied on to produce a good crop of fruit even in unfavorable seasons when other larger and later kinds would fail to ripen. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**Long Island Beauty.** A large green flesh melon. The fruit is flattened at the ends, ribbed and closely netted and is very handsome. Not quite so sweet, but is more sprightly and agreeable in flavor than most of the yellow flesh varieties. Ripens early and is one of the best large green-flesh melons. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**HACKENSACK.** A popular green-fleshed melon for market. Round, ribbed, and thickly netted; handsome and of good flavor. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 30c; lb. \$1.10.

Melone (Gr.)

## WATERMELONS

Popone (It.)

One ounce of seed will plant about 25 hills; 3 lbs. will plant an acre

Anyone who has light sandy soil can raise good watermelons. Directions for culture will be sent with seed if requested.

The best varieties to grow depends upon the length of the season. In the North where the summers are short **Harris' Earliest** and **Cole's Early** are the most certain to ripen. Farther south larger and better melons can be raised by using **Tom Watson**, **Kleckley Sweets**, or **Ice Cream** (Peerless). These varieties will ripen in southern Connecticut, Long Island, New Jersey, Ohio and southern Michigan.

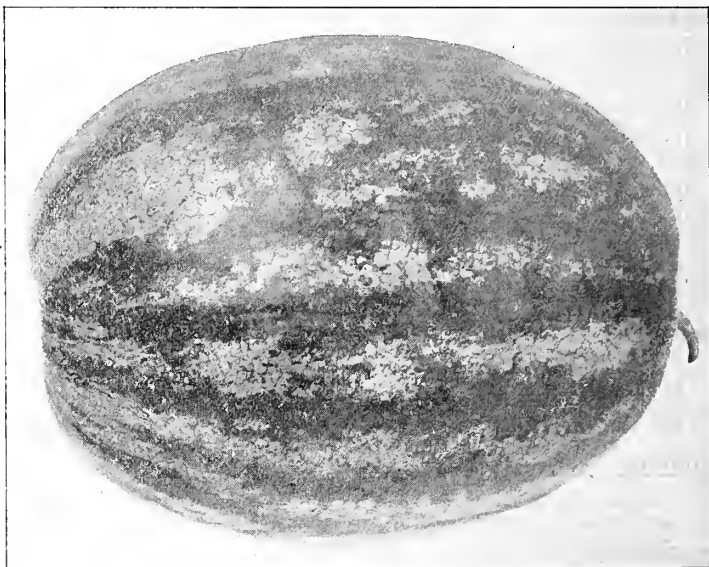
**Harris' Earliest.** This melon is very early and is also of fine quality, being sweet and delicious, and it grows to a large size. The melons are oblong and marbled with light and dark green. The flesh is bright red, fine grained and very sweet. The fruit ripens extremely early and is therefore very desirable for planting in the North. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 30c; lb. \$1.10.

**Cole's Early.** The melons are not quite as large as Harris' Earliest, but the flesh is of deeper red color and very sweet, crisp and solid. The melons ripen very early and the vines produce lots of them. One of the very best watermelons for private gardens in the Northern states. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c; lb. 90c.

**Halbert Honey.** A medium early melon, and can be successfully raised in some of the Northern states. The melons are quite long with blunt ends. The color is deep green. The rind is very thin, the rich, deep, red, sugary flesh extending within an inch of the outside shell. The rind is rather thin for a good shipping melon, but for home use or nearby market this is a superb variety. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**Tom Watson.** A long, deep green melon with bright red flesh of high quality; resembles Kleckley Sweets, but has a tougher rind and grows even larger than that variety. It is an excellent variety for shipping and has become very popular in the South within the last two or three years. The seed we offer is Northern grown and of a very fine strain. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.

**Kleckley Sweets.** This melon has become famous for its high quality. There is nothing finer in the way of watermelons than the delicious sweet, high flavored flesh of the "Kleckley Sweets." The melons are long, dark green and with very solid, crisp, bright red flesh with white seeds. It grows to a large size and is always of superb quality. It is medium early and can be successfully raised anywhere south of New York State. Our Northern grown seed is much superior to seed grown in the South. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.



Harris' Earliest Watermelon

**HUNGARIAN HONEY.** One of the very best early melons for home use. The melons not only ripens early, but are deliciously sweet, with firm, solid, deep red flesh and small seeds. The fruit is nearly round and medium to small size. Those who want an early melon of high quality should plant this variety. Pkt. 5c; oz. 15c.

**ICE CREAM, or PEERLESS (White Seeded).** Early, and of delicious flavor. Fruit oblong and light green. On account of its earliness and fine quality this is a very desirable melon for home use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 18c; lb. 60c.

**MOUNTAIN SWEET.** A large, medium early variety that has long been very popular. The melons are oblong in shape, deep green and have bright red flesh of good quality. Pkt. 5c;  $\frac{1}{4}$  lb. 15c; lb. 50c.

**CITRON, for Preserves.** This melon is used exclusively for making preserves. The rind is thick and clear white, and makes preserves of excellent quality. Cultivation similar to watermelons. There are two varieties, one with red seed and the other with green. The green seeded variety is called **Colorado Preserving**, and is superior to the red seeded kind in size and productiveness. We therefore now only offer the green seeded variety. The fruit is round, striped and handsomely marbled. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 70c.

*Zwiebel (Gr.)***ONIONS***Cipollo (It.)*

One ounce of seed will sow about 150 feet of row. It requires about 6 lbs. of seed per acre

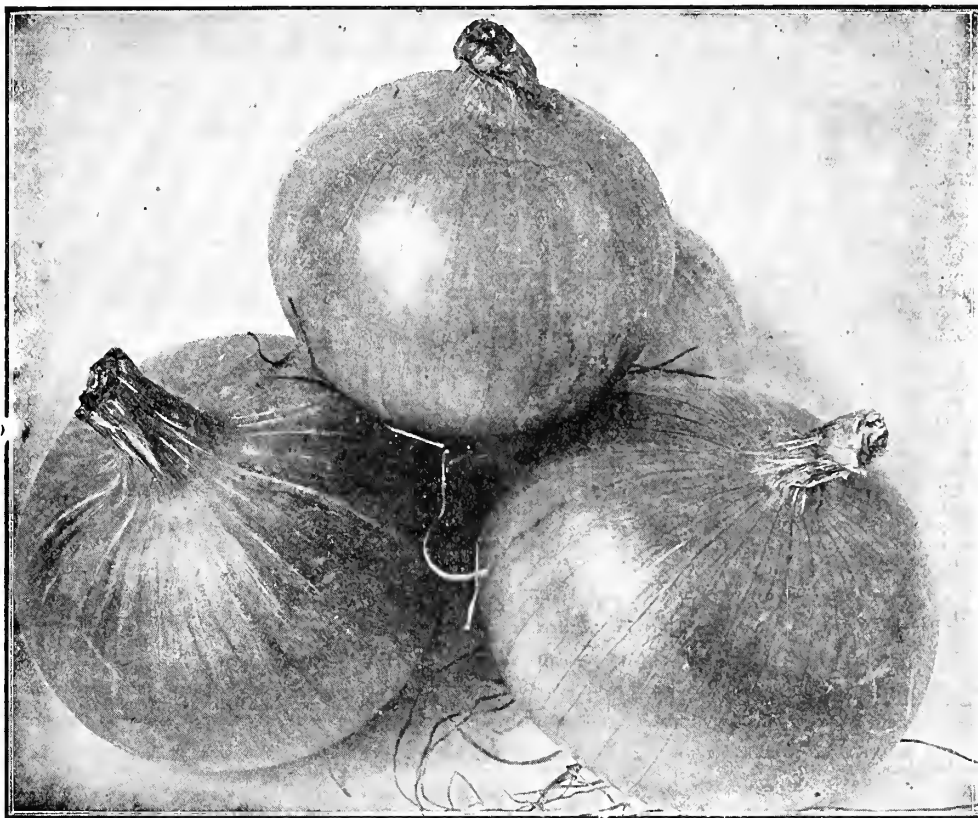
**Our Onion Seed** is all grown from carefully selected onions, all inferior ones being rejected, and will therefore produce much evenner and better crops of onions than the seed usually sold. To get large crops of good, sound onions of good color and small tops you must have the very best of seed. Cheap, carelessly grown seed will not give such crops, even if it is perfectly fresh and germinates well.

**Germination Tests.** It is important for an onion grower to know just what per cent of the seed will germinate, so that he can judge how thick to sow in order not to waste the seed or get the crop too thin. All the seed we sell is given thorough tests for germination, and the exact results from such tests are marked on each package of seed so that the purchaser can tell just what proportion of the seed is of good vitality. This ought to be worth a good deal to any grower. We shall be glad to tell any onion grower just how our seed of any varieties he wishes germinates in our tests before he buys the seed.

**Onion Culture.** Onions are raised in two ways, from seed and from sets. Seed sown in early spring produces ripe onions in the fall, while sets set out at the same time make green "bunching" onions in a few weeks and dry ripe onions in July or earlier. Sets may be set out in the fall and will produce green onions much earlier than when set out in the spring.

To raise good onions from seed the land must be rich and in fine condition. Sow the seed as early as possible in rows 14 inches apart. Weed as soon as the onions appear and keep well cultivated all through the season. Seed may also be sown in a hotbed or greenhouse in February or March and the onions transplanted to the open ground when warm enough. The finest onions are raised in this way.

**TO RAISE EARLY GREEN ONIONS.** Seed sown in July will usually produce fair size onions, that if given a little protection will survive the winter and produce nice green onions much earlier than from sets and at much less cost. White Portugal, or Silver Skin, is the best variety for this purpose.



Yellow Globe Danvers—Harris' Selected Strain

**Yellow Globe Danvers, Harris' Selected Strain.** The Yellow Globe Danvers has long been the most popular onion, and we have bred up a very fine strain of it which for uniformly fine shape and color and good keeping qualities we think has few equals in this country. This seed will produce onions of perfect globe shape with small necks and deep yellow color. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.20; lb. \$4.65.

**Ohio Yellow Globe.** This strain of Yellow Danvers onion has been bred up by growers in Ohio and is very popular there and in many other sections. The bulbs are slightly flattened on the bottom, but are otherwise the same as Yellow Globe Danvers, but mature a little later. Especially adapted to muck land. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.20; lb. \$4.65.

**Prizetaker.** This variety produces very large and handsome onions of good, bright yellow color and mild flavor. Single bulbs grown under favorable conditions often weigh 2 pounds each, and heavier weights have been attained. The onions are globe-shaped and of very mild, pleasant flavor. While these onions can be grown by sowing the seed in the ordinary way in the open ground,

yet the largest and finest specimens are obtained by sowing the seed in shallow boxes in February or March, and transplanting to the open ground as soon as the weather is warm enough. The Prizetaker requires two weeks longer to mature than Yellow Danvers. Our American-grown seed is much superior to imported seed for use in this country. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; lb. \$5.25.

**Round Yellow Danvers.** This strain produces bulbs that are flatter than the Globe Danvers, but otherwise similar to that variety. The onion matures a little earlier, which makes this variety desirable where seasons are short. It is also used for raising onion sets. Our seed is first-class in every way and will produce nice, even, well matured onions of best quality. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.10; lb. \$4.00.

**Southport Yellow Globe.** A very handsome onion of perfect globe shape and good deep yellow color. A little later than the Danvers and requires higher culture. We have an extra selected strain of this variety which will produce onions of uniform globe shape and deep yellow color. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.30; lb. \$5.00.



**Southport Red Globe. Harris' Special Selected.** The largest and handsomest red onion; keeps better than any other kind. The onions are of perfect globe shape, deep red, and with small tops. Our strain is very fine, being grown in the East from selected hulbs only. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 95c; lb. \$3.65.

**EARLY LARGE RED (Flat).** This is the earliest large red onion. The hulbs are large around and flattened, and are firm and of fine quality. This onion will yield good crops even where seasons are short and the soil not perfectly adapted to onions, as the hulbs mature very early. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 80c; lb. \$3.00.

**Southport White Globe.** The bulbs are of perfect globe shape, very firm and solid, perfectly white and of fine quality. In the hands of experienced growers this is a very profitable onion, as it always commands the highest price. Crop of seed almost a complete failure. We can offer it in small quantities only. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50.

**Red Wethersfield.** A very large, deep red onion, that matures early and succeeds well everywhere. The bulbs are flattened, very large around, solid and of fine quality. A good keeper. One of the best red onions for home use or market, where a globe-shaped onion is not required. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.75.

**Mammoth Silver King.** A very large pure white onion of fine quality, being of very mild, pleasant flavor. Crop of seed failed.

**AUSTRALIAN BROWN.** This is a variety possessing remarkable keeping qualities. These onions have been kept in perfect condition the year around. The onions are of medium size, somewhat flattened, and of a light reddish brown color. They mature very early, being two weeks earlier than Yellow Danvers. The hulbs are very firm and ripen up hard and smooth, with very small necks. The flavor is mild and sweet. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.50.

**EXTRA EARLY BARLETTA.** The handsomest and most perfect white pickling onion grown. When sown thickly the onions grow to about the size of a cherry, perfectly round, pearly white and of very mild flavor. Crop of seed failed.

**White Portugal, or SILVERSKIN.** An early, flat white onion of good size and mild flavor. Excellent for family use or market, matures earlier than Yellow Globe Danvers and keeps fairly well. When the seed is sown thick in a "ribbon row" the onions mature when small and are excellent for pickling, as they are snow-white and very firm. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.25 lb. \$4.75.

**NOTE.** This variety may be sown in July and left in the ground over winter and will make fine, pure white bunching onions early in the spring at much less cost than sets and just as early.

## ONION SETS

One quart will set 75 to 100 feet of row, depending upon the size of the sets

Onion sets are used to produce onions earlier than they can be procured from seed. By using sets, large, ripe onions can be had in July or August, and green "bunching" onions early in the spring.

The prices quoted here per bushel are subject to change without notice. They will probably rule as quoted below. Please write us for prices if you need a considerable quantity. You cannot get as good sets cheaper anywhere.

**YELLOW SETS.** Small and round. Qt. (1 lb.) 25c; pk. (8 lbs.) \$1.20; bu. (32 lbs.) \$4.50.

**WHITE SETS (Silverskin).** Qt. (1 lb.) 30c; pk. (8 lbs) \$1.60; bu. (32 lbs.) \$6.00.

**EGYPTIAN or PERENNIAL TREE ONION.** This is a distinct variety of onion that when once started will come up every year as soon as the frost is out of the surface soil, and will produce green bunching onions earlier than any other variety, and requires very little care. If the sets are set out in the spring they will divide and produce five or six new green onions the next spring for each set. They do not produce ripe onions. These sets are usually set out in August and September. If set out in the spring the onions are not ready to use until the following spring. Qt. (1 lb.) 25c; pk. (about 7 lbs.) \$1.10.

Postage must be added if sets are to be sent by parcel post.

*Ocher (Gr.)*

## OKRA OR GUMBO

*Ocra (It.)*

Used for thickening and flavoring soup. The pods contain a large amount of gum, which imparts a thickness and softness as well as flavor to the soup. The pods should be picked before the seeds are developed. Directions for use can be found in any good cook book. The seed should be sown in the open ground when the ground is thoroughly warm. In this latitude about the 1st of June. Sow in rows 2  $\frac{1}{2}$  feet apart and thin the plants to 18 inches apart. The pods should be picked and dried while young and green.

**WHITE VELVET.** The pods are large, round and smooth, almost pure white, and of excellent quality. The plant grows 3 feet high. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.

**PERKINS' LONG POD, Perfected Strain.** This variety is now used almost exclusively by the soup canners, as the pods are of a deep green color and of fine quality, and the plant is very prolific. The pods are long, and somewhat ribbed or corrugated. The "Perfected" strain we offer is superior to the ordinary strain of this variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.

*Pastinake (Gr.)*

## PARSNIPS

*Pastinaca (It.)*

One ounce of seed will sow 150 feet of row; 6 lbs. per acre

**Harris' New Model.** By very careful selection of roots for seed purposes we have produced a strain that we think is very much superior to that usually sold. The parsnips grow to a medium length and are very smooth, without small roots or prongs, and are snow white, much whiter than other kinds, and therefore more attractive in market. See page 16. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

**LONG HOLLOW CROWN.** Long, smooth and straight, and of fine quality. We have a fine strain of this popular variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.35.

*Petersilie (Gr.)*

## PARSLEY

*Prezzemolo (It.)*

One ounce of seed will sow 150 feet of row

**Dwarf Perfection.** This is without doubt, the finest parsley grown. The plant is of semi-dwarf habit, very compact and of a beautiful bright green, while the leaves are very finely cut and curled. Pkt. 10c; oz. 18c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

**CHAMPION, or TRIPLE MOSS CURLED.** Makes a strong growth of deep green, finely cut and curled leaves of excellent quality. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c; lb. 90c.

**EXTRA DOUBLE CURLED.** Very dark green. The leaves are not quite so finely cut and curled as above kinds. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**HAMBURG, or Turnip-rooted.** The roots are used instead of the leaves. The roots are hoiled and served like parsnips and have a very pleasant flavor. They can be stored in sand and used all winter. We offer an improved variety called "Thick Sugar," which has nice, smooth, white roots of medium length and large around, and of fine sweet flavor. Pkt. 5c; 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

## PEANUTS

Peanuts can be successfully grown in the North on warm, sandy soil in a sheltered place with a southern exposure. South of Pennsylvania they can be grown on any good light soil.

Peanuts should be planted the same time as corn in rows 2  $\frac{1}{2}$  feet apart, dropping the nuts 8 to 10 inches apart. The nuts should be shelled before planting. A dressing of slaked lime or land plaster is of great benefit. When the plants are nearly full grown throw earth up to them the same as "hilling" potatoes. This will cause the nuts to form.

**Early Spanish.** The earliest variety and best for the North. Pt. 18c; qt. 30c; pk. \$1.35.

# PEAS

One quart of seed will sow 100 feet of row. Two to three bushels per acre

There is a great difference in Seed Peas of the same variety. Some are mixed and produce poor, half-filled pods, while others are pure and bear even crops of large, well-filled pods. The difference is in the way the seed is grown.

Our Seed Peas are all grown in the North, and are of the **earliest and hardiest** as well as the **purest** strains. They are far superior to most of the Seed Peas sold. They will produce an even crop of well-filled pods, which cheap and carelessly grown seed will not do.

## ABOUT VARIETIES

The small early peas, such as **Alaska** and **First and Best**, are valuable principally because of their **earliness and hardiness**. They can be sown while some frost is still in the ground, while if the larger and sweeter peas were sown at the same time the seed would rot.

To get peas as early as possible, **Alaska** or **First and Best** should be sown as soon as the frost is out of the ground. For family use, however, it is better to wait a little and sow **Surprise**, which is as early as **Alaska**, and of far better quality. At the same time sow **Laxtonian**, **Nott's Excelsior**, **Sutton's Excelsior** and the new **Little Marvel** which will mature a few days later and is of fine quality and prolific. A little later than these come **Duke of Albany**, **Telephone** and **Horsford's Market Garden**, and many other fine varieties with large pods and of very fine quality.

**TIME OF MATURITY.** In our trial grounds the following named varieties of peas matured ready to use on the dates given. All were planted at the same time—April 15:

June 19 **Surprise**, **Alaska**, **First and Best**.  
 June 23 **Gradus**, **Thomas Laxton**, **Ameer**, **Nott's Excelsior**, **American Wonder**.  
 June 24 **Little Marvel**.  
 June 26 **Sutton's Excelsior**, **Laxtonian**.  
 July 2 **Advancer**.  
 July 8 **Duke of Albany**, **Telephone**.  
 July 9 **Alderman**, **Long Island Mammoth**.  
 July 11 **Horsford's Market Garden**.  
 July 12 **Juno**, **Dwarf Champion**, **Carter's Daisy**, **Heroine**.  
 July 14 **New Queen**, **White Marrowfat**.

It is easy to pick out varieties which sown at the same time will give a continuous supply of the finest peas for a long time. By sowing some late kind three weeks later the season may be prolonged still further.

**QUANTITY TO SOW.** Very few people sow enough peas. For a family of five or six people the following quantities should be sown to furnish a liberal quantity nearly every day: 1 qt. **Alaska** or **Surprise**, for first early; 2 qts. **Laxtonian** or **Sutton's Excelsior**, or **Little Marvel**; 1 qt. **Duke of Albany**, **Alderman** or **Telephone**; 1 qt. **Dwarf Champion**; 1 qt. **Carter's Daisy** (dwarf) or **Horsford's Market Garden**.

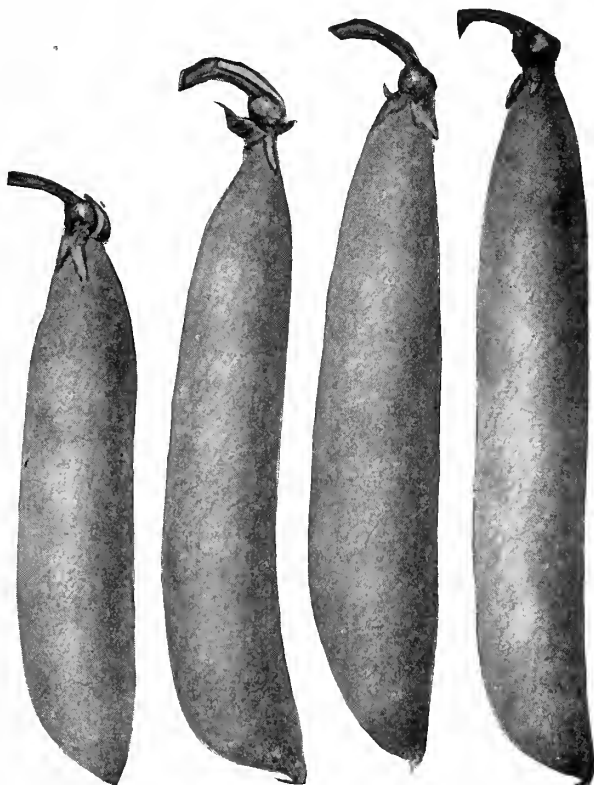
**PEAS NEED NOT BE BUSHED.** While it is easier to pick peas when the vines are given some support, yet it does not increase the yield and it is not at all necessary.

There are excellent varieties covering nearly the whole season which have short stocky vines that practically support themselves. Even the tall kinds can be allowed to go without support and will produce good yields.

**Surprise or Eclipse.** This is the **earliest sweet wrinkled pea**. Matures as early as **Alaska** and is of far better quality. The pods are of fair size, and the vines are very prolific. One of the best very early peas, and we highly recommend it for family use. See price list next page.

**Alderman.** A very fine pea for main crop. The pods resemble **Telephone**, but are larger, deeper green and better filled, while the vines are of more robust growth and more prolific. It is really an improved **Telephone**. Four feet tall, medium late. See price list next page.

**Prince Edward, or "Prodigious."** An improved strain of **Telephone** with pods even larger than **Alderman**. The pods often grow nearly 6 inches long and are well filled with large peas of the very finest quality. Vines grow 4 feet tall and are fairly prolific. A grand variety for those who want the very largest and best peas that can be grown. Season medium late. See price list next page.



Gradus

Heroine

Telephone

Alderman

## SOME PEAS OF SPECIAL MERIT

**LAXTONIAN.** This new pea has the **largest pods** of any early variety we know of. The peas mature as early as **Nott's** and **Sutton's Excelsior** and have larger pods. The vines are 18 in. tall and need no support. See price list next page.

**LITTLE MARVEL PEA.** In our trial grounds the **Little Marvel** has proved the most prolific early dwarf pea. The pods are not as long as **Gradus** or **Sutton's Excelsior** but the vines are very prolific so the yield is larger. Vines grow 18 to 24 inches tall. The peas mature early—about the same time as **Little Gem** or **Nott's Excelsior**. See price list next page.

**Thomas Laxton.** The pods are of good size and produced in abundance. The peas mature a few days after the very earliest kinds, such as **Alaska** or **First and Best**, but are of so much finer quality that they are well worth waiting for. This is one of the very best early sweet wrinkled peas. See price list next page.

**Sutton's Excelsior.** One of the best early dwarf peas we know of. Much like the well-known **Nott's Excelsior**, but has larger pods, vines grow a little taller and are more prolific, but the peas mature a day or two later. Valuable for either home use or market. The vines need no support. Those who want a dwarf pea that is early and prolific, with large pods and peas of high quality, will do well to use this variety. See price list next page.

**Nott's Excelsior.** The earliest dwarf pea. Plant grows only about 18 inches high and needs no support. Pods are of good size and well filled, and the quality of the pea is delicious. One of the best for home use and market. See price list next page.



## PRICE LIST OF PEAS

PEAS—Early Varieties		½ Pt.	Pt.	Qt.	4 Qts.	Pk.
Alaska (2 ft.).	The earliest. Pods of medium size, well filled.....	\$0.18	\$0.30	\$0.60	\$1.70	\$3.25
Surprise, or Eclipse (20 in.).	Earliest sweet wrinkled pea.....	.20	.35	.65	2.10	4.00
Ameer (2 ft.).	Early; large pods. A profitable market variety.....	.18	.30	.50	1.70	3.25
Little Marvel (vines 20 in. high).	New Early dwarf variety.....	.20	.35	.60	2.10	4.00
Laxtonian (18 in.).	New large podded extra early peas.....	.20	.35	.60	2.10	4.00
Thomas Laxton (2 ft.).	Very early, large pods and of highest quality.....	.20	.35	.60	2.10	4.00
First and Best, or Earliest of All (2 ft.).	A fine strain of extra early peas..	.20	.35	.60	2.00	3.50
Nott's Excelsior (15 in.).	Earliest dwarf pea. See description above.....	.18	.30	.60	2.00	3.75
Sutton's Excelsior (18 in.).	Larger than Nott's and almost as early. See description above.....	.20	.35	.60	2.10	4.00
GRADUS, or "Prosperity" (2 ft.).	Early, large pods, finest quality. One of the best early peas for home use or market. The peas are of delicious flavor and sweetness.....	.20	.35	.65	2.25	4.20
McLean's Little Gem (15 in.).	An early dwarf pea of high quality, pods of medium size.....	.18	.30	.55	1.85	3.50
American Wonder (15 in.).	Very early dwarf pea. Crop failed.....	....	....	....	....	....

## Medium and Late Varieties

PRINCE EDWARD, or "PRODIGIOUS" (4 ft.).	Immense pods, and peas of highest quality.....	.20	.35	.65	2.40	4.25
CARTER'S DAISY, or Dwarf Telephone (18 in.).	Pods as large as Telephone, while the vines only grow 18 inches tall and do not need support. Peas large and of the finest quality. A fine late garden pea.....	.20	.35	.65	2.40	....
NEW DWARF CHAMPION (2 ft.).	Like Champion of England, but vines do not grow so tall. Crop failed.....	....	....	....	....	....
HORSFORD'S MARKET GARDEN (2 ft.).	We know of no pea of finer quality, being very sweet and delicious. It is also very productive. Matures late and is valuable for the home garden to prolong the season. Pods of medium size.....	.18	.30	.55	1.70	3.25
DUKE OF ALBANY, or American Champion (3 ft.).	Much like Telephone, but better. Large deep green pods, well filled with peas of finest quality, medium late.....	.18	.30	.60	1.85	3.85
ALDERMAN.	An improved Telephone. See description on page 39.....	.18	.30	.60	1.85	3.85
HEROINE (2½ ft.).	One of the very best late kinds. Very long pods well filled with delicious sweet, dark green peas. Crop failed.....	....	....	....	....	....
Telephone (4 ft.).	The standard for quality. Large pods, and quite prolific. Medium late.....	.18	.30	.60	1.85	3.85
Long Island Mammoth, or Telegraph (4 ft.).	Large pods, hardy and prolific. A profitable market pea, but not of the highest quality.....	.18	.30	.55	1.70	3.25
Advancer (2 ft.).	A very prolific medium late variety. Keeps bearing for a long time and is of fine quality.....	.18	.30	.60	1.85	3.50
Champion of England (4 ft.).	Very prolific and still one of the best late Peas.....	.18	.30	.60	1.85	3.60
Improved Stratagem (20 in.).	A very large fine pea, strong and stocky, late. The pods are very large and the peas of the finest quality. The vines are short, so need no support.....	.20	.35	.65	2.40	....
Dwarf White Marrowfat (4 ft.).	Does not grow quite as tall as the old Marrowfat, but otherwise the same.....	.12	.20	.35	1.25	2.25
Black-Eyed Marrowfat (4½ ft.).	.....	.12	.20	.35	1.25	2.25
Mammoth Melting Sugar (4 ft.).	Edible pods. The largest and finest of this class; vines grow tall and are very prolific.....	.20	.35	.70	2.40	....

For prices in larger quantities of Peas see our Market Gardener's Wholesale Price List. Mailed on application to commercial growers.

**Peas by Parcel Post.** Postage must be added to above prices sufficient to cover the charge for mailing the following weights. See rates, page 6.

1 pint weighs.....1 lb.  
1 quart weighs.....2 lbs.

4 quarts weigh.....7 lbs.  
1 peck weighs.....14 lbs.

*Pfeffer (Gr.)***PEPPERS***Peperone (It.)*

One ounce of seed will produce 1000 plants. Seed should be sown early in the hotbed or greenhouse

**Giant Crimson Pepper**

**CAYENNE.** Used for seasoning pickles. The peppers are long and slim, bright red when ripe, and of sharp, pungent flavor. The plants are very productive. Pkt. 10c; oz. 60c.

**NEW "GIANT CAYENNE."** Much larger than the old cayenne pepper, and the flavor is equally pungent. This is the best "hot" pepper for flavoring pickles, etc. Pkt. 10c; oz. 55c.

**Harris' Earliest.** Sweet Pepper. New. See description page 16. Pkt. 10c; ¼ oz. 35c; oz. \$1.25.

**GIANT CRIMSON.** This new pepper has proved to be one of the best of the very large fruited sweet varieties. It is as large as **Chinese Giant**, and is earlier and more prolific. The peppers are often 6 inches high and 4 inches across, and of the best quality. Pkt. 10c.

**NEAPOLITAN.** Two weeks earlier than other large kinds. If the plants are started early the peppers will be ready to use in July, and earlier farther south. The peppers are of good size, 4 to 5 inches long and 2 inches across. They are produced upright on the plants, and as many as 30 or 40 have been counted on a single plant. The fruit is mild and of sweet, pleasant flavor; and the color is very bright red. Pkt. 10c; oz. 60c.

**CHINESE GIANT.** The fruit often measures 5 to 6 inches high and 4 to 5 inches in diameter. It is a "sweet pepper," being very mild flavored and has thick flesh. It is about as early as **Ruby King**, and much larger. Like other very large peppers it does not produce many fruits on a plant. Pkt. 10c; oz. 70c.

**SWEET MOUNTAIN.** An early, large, red pepper, with fruit of good size, about the shape of **Bull Nose** and resembles that variety closely. Flavor somewhat pungent or "hot." The plant is quite prolific and will produce a great many peppers if they are kept picked as fast as they mature. Pkt. 10c; oz. 60c.

**RUBY KING.** The fruit is 5 to 6 inches long, and 2½ to 3 inches in diameter, bright red, flesh thick and very mild. We have a very fine selected strain that produces fruit of the largest size, handsome shape and bright red color. The plants are more prolific than most strains of this variety, and the fruit **ripens earlier** and is of better shape and quality. With us this produces more peppers than any other very large variety. **Harris' Earliest** will bear more, but the fruit is not quite so large. Pkt. 10c; oz. 65c.

**LARGE BELL, or Bull Nose.** One of the hardiest and earliest varieties. Bright red, thick flesh, and fairly mild, but more pungent than **Ruby King** or **Giant Crimson**. The vines are dwarf and produce good crops. Pkt. 10c; oz. 60c.

**GOLDEN DAWN.** The best and largest yellow variety. The peppers when ripe are of a beautiful golden yellow, of fine shape, and of sweet, pleasant flavor. Early and very productive. Pkt. 10c.

**PEPPER PLANTS.** See Plant Department, back pages of this catalogue.

*Melonen-Kuerbiss (Gr.)***PUMPKINS***Zucca (It.)*

**CALHOUN.** This is one of the best pumpkins for pies we have ever grown. It does not grow very large, but the flesh is often 3 inches thick and **very solid**, so much so that it does not require boiling down like other pumpkins. Crop of seed failed.

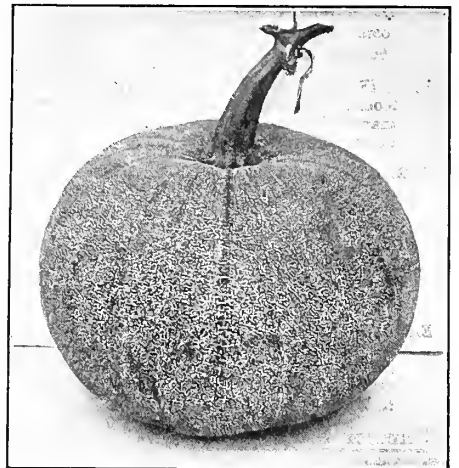
**SMALL SUGAR.** Small, deep yellow pumpkins, ribbed and flattened at the ends. They have good thick, sweet flesh that is excellent for pies. There is always a good demand for these pumpkins in market. They ripen early and the vines are very prolific. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**WINTER LUXURY, or Improved Sugar.** Grows a little larger than the "Small Sugar," and the fruit is without ribs, lighter yellow and netted like a muskmelon. The flesh is thick and of fine quality, and they will keep all winter, if properly stored. A very fine pumpkin for home use or market. Crop of seed failed.

**LARGE CHEESE.** Fine grained and sweet. Large fruit, mottled light green and yellow, flattened at the ends. An excellent variety for the South. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 70c.

**MAMMOTH POTIRON (also called "King of Mammoths" and "Jumbo").** The largest pumpkin grown, often weighing 100 pounds. Salmon colored skin, flesh thick and of good quality. Pkt. 5c; oz. 12c; ¼ lb. 25c; lb. 95c.

**CONNECTICUT FIELD, or "Big Tom."** The common large yellow pumpkin; the best to grow among corn for stock feeding or pies. Our strain of this variety is very fine, and produces the largest and handsomest pumpkins. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 70c.

**Winter Luxury Pumpkin**



*Rhabarber* (Gr.)**RHUBARB OR PIEPLANT***Rabarbara* (It.)

The roots can be raised from seed sown in the spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

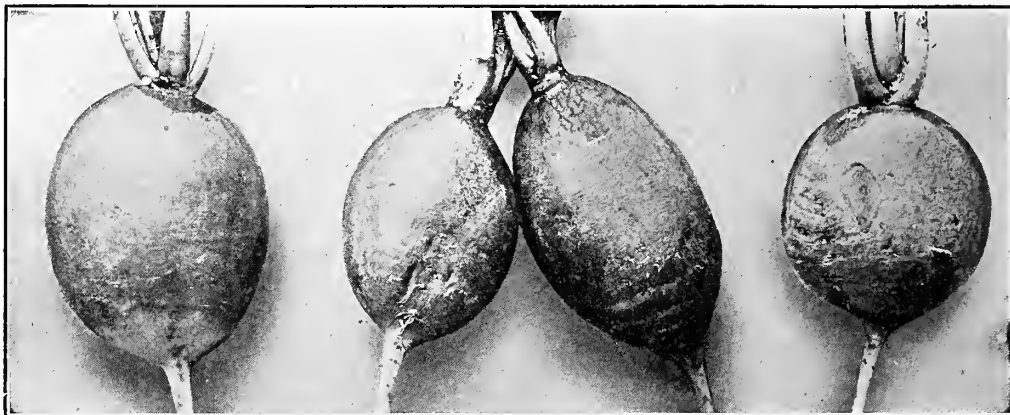
**MYATT'S LINNAEUS.** The earliest and best variety. The stalks grow very large, often 2 inches wide, and are light green and scarlet. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**RHUBARB ROOTS** of above variety, large, strong roots, 10c each; 75c per doz; \$4 00 per 100. Roots weigh about  $\frac{1}{2}$  lb. each. Add postage if roots are to be sent by parcel post.

*Radies* (Gr.)**RADISH***Ravanello* (It.)

One ounce of seed will sow 75 to 100 feet of row

For sowing in frames or greenhouses **Early Scarlet Globe** is the most popular variety. It is also good for sowing in the open ground. Very fine radishes can be grown in the open ground by sowing the seed late in the summer. At this time the maggots do not trouble them much and they grow large and smooth in the cool fall weather.



Scarlet White-Tipped

Early Scarlet Globe

Earliest Scarlet Forcing

**“Leafless” Scarlet Globe.** We have found this a very remarkable variety, being as near leafless as any radish could be. It grows with great rapidity, and the leaves are so short and small it will stand crowding and a **much larger number can be grown in a given space** than with any other kind we know of. The radishes are apt to be pithy if forced too rapidly. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.35.

**Early Scarlet Globe.** A very early globe-shaped radish suitable for forcing or open ground.

The radishes are of handsome shape, attractive bright red, and are **crisp, solid** and of the **finest quality**. They grow so rapidly that under favorable circumstances they may be pulled **20 days** from sowing the seed. This is the most popular variety for forcing. Our seed is of the **very finest French strain**, grown from transplanted roots, and will be found unsurpassed. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.80.

**EARLIEST SCARLET GLOBE SHORTLEAF.** Called also “Red Rocket,” “Startle,” or “20 Days.” Grows more oval in shape than the Early Scarlet Globe and is very popular for forcing. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**EARLIEST SCARLET FORCING.** Called also “Scarlet Button” and “Dark Red Ball.” This is the best and **earliest** round or turnip-shaped radish for forcing or open ground. It grows as round as a ball, with **very short** leaves and is of deep scarlet color. It grows with great rapidity, often getting large enough to pull in **18 days** from sowing the seed. This radish is very popular for forcing and open ground, and our strain will be found unsurpassed. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**EARLIEST SCARLET WHITE-TIPPED.** Also called “Rosy Gem” and “Rapid Forcing.” This is the same as the Earliest Scarlet Forcing, except that each radish is tipped with white, making them very handsome when bunched or on the table. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**Crimson Giant Globe.** A new forcing radish that grows much larger than other kinds without becoming hollow or pithy. It can be allowed to grow to twice the size of the other early kinds and still retain its fine quality, being solid and

crisp. It grows with great rapidity and gets large enough to use as early as any kind, but in order to attain its full size it should be allowed to grow a little longer. The radishes are globe-shaped, bright red, and have small tops. Gardeners will find this a profitable kind for forcing as its large size and handsome appearance command a premium in any market. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.85.

**CHARTIER.** The best long red radish.

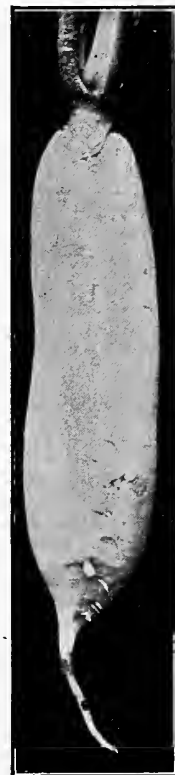
The roots grow 6 to 7 inches long and about 1 inch in diameter. They are smooth, bright red, with **white tip**. Very handsome and of fine quality. Remains for a long time before getting pithy. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50.

**LONG SCARLET SHORT-TOP.** Grows 6 to 8 inches long; is straight, smooth and bright scarlet, and is of the best quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.35.

**FRENCH BREAKFAST.** Olive-shaped, with white tip; crisp and tender. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.75.

**Icicle.** This beautiful white radish grows with remarkable rapidity, and is valuable for forcing as well as for the open ground. The radishes are **long, straight, pure white**, and nearly the same size the whole length. It is **earlier** than White Vienna or Lady Finger, and is of very fine quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**GIANT WHITE STUTTGART.** A very large, round, white radish, of good quality, used as a summer and fall variety, as the roots will stand a long time without becoming pithy. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.55.



Icicle Radish

**WHITE STRASBURG.** A first-class long, white radish for summer use; will remain crisp and tender even when very large. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.40.

**Lady Finger or White Vienna.** Long, pure white radish that grows rapidly and is excellent for forcing or the open ground, being crisp and of finest quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.65.

## WINTER RADISHES

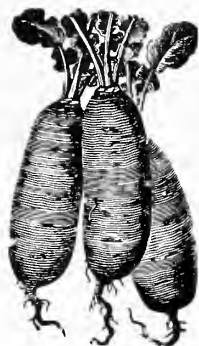
These varieties should be sown in July and August. They do not succeed if sown in the spring. They are excellent for all and winter use, and will keep a long time in sand in the cellar.

**CHINESE ROSE.** One of the very best varieties. Roots 5 or 6 inches long and 2 inches in diameter. Bright rose color; flesh white, crisp, and of mild delicate flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.60

**LONG BLACK SPANISH.** A long, smooth radish nearly the same size at the bottom as the top, and dark brown color, nearly black. Popular in market. Will keep all winter if stored in moist sand. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**BLACK SPANISH TURNIP.** Similar to the the above except in shape, which is short and round like a turnip. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.40.

**CALIFORNIA MAMMOTH WHITE.** Very large, pure white, roots long, straight and smooth and of better quality than the Chinese White or Celestial. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.50



Chinese Rose

*Spinat (Gr.)*

## SPINACH

*Spinace (It.)*

One ounce of seed will sow 75 feet of row. It requires about 20 pounds of seed per acre

Spinach should be sown as early as possible in the spring. It will be ready for use in four or five weeks after sowing. For fall use sow Aug. 1st, and to winter over, sow the seed about September 1st in this latitude, and later farther south.

Spinach runs to seed quickly in hot weather, so the seed should be sown early in the spring or late in the summer in order to avoid having the crop mature in July or August. If sown about August first spinach will grow very large and can be used from the first of September until the ground freezes.

**Special Notice.** Holland has produced nearly all the spinach seed used in the world for many years. It seems doubtful now whether any seed will reach this country from Holland in time to use this season. We, therefore, can offer only the varieties which we raised ourselves and of which we have but a limited quantity. We may receive seed of other varieties from Holland before spring.



Long Season

Eskimo

Viroflay

**Eskimo, or Giant Thick Leaf.** A fine new variety with thick, deep green leaves of the largest size, and grows very rapidly. Stands well without running to seed. One of the best kinds for either spring or fall sowing. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**Large Thick-Leaved Viroflay.** Very large, thick, pointed leaves of good quality. Grows more rapidly than other kinds, so can be used earlier. Plant makes a more upright growth than Long Standing. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.75.

**"LONG SEASON" SPINACH.** This spinach stands longer without running to seed than any other kind. The leaves are very thick and dark green—much deeper in color than other kinds. The plants resemble the Savoy Leaf in appearance, but are darker green, and stand much longer. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.85.

**VICTORIA.** The leaves are round, thick, broad, dark green and somewhat curled, and are of the best quality. A faster grower than Long Season and can be used earlier, but does not stand so long without running to seed. It is quite hardy and can be sown in the fall for spring use. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c.

**NORFOLK SAVOY-LEAVED,** (also called Bloomsdale). A very handsome variety, with curled or blistered leaves like a Savoy cabbage, and of first-class quality. Runs to seed quickly in hot weather. Used quite extensively for fall sowing to winter over for spring use. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c.

**LONG STANDING (Enkhuizen Strain).** Leaves large, thick, round, dark green and of fine quality. No seed to offer.

**MUNSTERLAND (Prickly seed).** This is a new strain of the hardy, prickly seeded winter spinach, which has larger leaves than the old variety and is better in every way. The leaves are narrow and cut on the edges and somewhat resemble dandelion leaves. This is considered the hardest variety, and is largely used for fall sowing to winter over. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**ROUND-LEAVED WINTER.** This is a hardy spinach that stands the winter well. It has thicker round leaves and round seed, and on this account is superior to the narrow-leaved prickly seeded kinds which are largely used for wintering over. No seed to offer.

**NEW ZEALAND SPINACH (*Tetragonia expansa*).** This is not a true spinach, but a plant that can be used for the same purpose. Produces an abundance of leaves on stems a foot or more in length. Will grow during hot, dry weather when other spinach would be useless, continuing to furnish nice "greens" all summer and fall. Young leaves are picked and separated from the stems and are then very tender and of excellent flavor. Soak the seed in warm water 12 hours before sowing, as it is difficult to get it to germinate. Sow the seed in May, in rows 2 feet apart. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c.



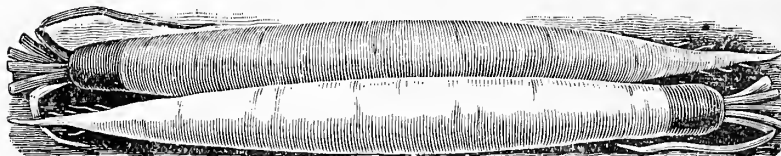
*Sauerampfer* (Gr.)**SORREL***Zucca* (It.)

The improved large-leaved garden sorrel is used as greens like spinach, or for flavoring soup. Sow the seed in the spring in good light soil and thin the plants to 4 inches apart.

IMPROVED BROAD LEAVED. The best variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**SALSIFY OR VEGETABLE OYSTERS***Haferwurz* (Gr.)*Sassefrica* (It.)

One ounce of seed will sow 70 feet of row; 8 to 10 lbs. per acre.



Mammoth Sandwich Island Salsify

Salsify is as easily grown as parsnips and is more delicate and finely flavored. It is used in the fall and winter and early spring when there are few other vegetables, and is always welcome. Do not think of omitting it from your garden.

**CULTURE.** The seed should be sown in May in rows 2 feet apart, and thin the plants to 3 inches apart in the rows. Does best on rather light moist soil.

**MAMMOTH SANDWICH ISLAND.** An improved variety that grows very large, often measuring 4 to 5 inches around, and of the best quality. Our seed is of extra large and fine strain. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

*Kuerbiss* (Gr.)**SQUASH***Zucca* (It.)

One ounce of seed of summer varieties will plant 35 hills.

One ounce of winter varieties will plant 20 hills; 3 or 4 lbs. of seed per acre.

**SUMMER VARIETIES**

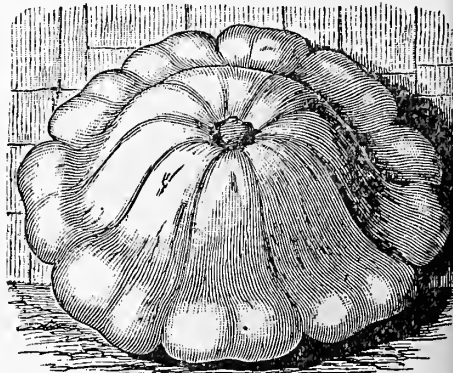
**GIANT CROOKNECK.** This improved strain of the old Yellow Summer Crookneck Squash is as early as that variety, while the fruit grows nearly twice the size. The squashes are deep golden yellow, and very warty, but not of quite as good quality as the old kind. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**EARLY BUSH CROOKNECK.** The old popular Yellow Summer Crookneck Squash. It is of fine quality and very hardy. The vines grow only 2 feet long, so can be planted near together. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**MAMMOTH WHITE BUSH SCALLOP.** The fruit is round, pure white and scalloped around the edges. This squash is of excellent quality for summer use. Our strain is the Improved Mammoth, which is much larger than the old kind and equally early. Pkt. 5c; oz. 8c;  $\frac{1}{4}$  lb. 20c; lb. 65c.

**EARLY YELLOW BUSH SCALLOP.** The same as White Bush Scallop described above, except that the fruit is yellow and has yellow flesh. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**Italian Vegetable Marrow.** (*Cocozella di Napoli*). This is the most delicate and fine flavored summer squash we have ever grown. It is very largely used in Europe and is considered delicious by many travelers who get it while there. The fruit is long and slender, mottled dark and light green. It is used when 8 or 10 inches long and while perfectly green. It should be steamed and served with butter. Try it. Pkt. 10c; oz. 18c;  $\frac{1}{4}$  lb. 40c.



Mammoth White Bush Scallop

**"SUMMER ASPARAGUS."** The above described Italian squash is sometimes very absurdly called "Summer Asparagus." It has no resemblance whatever to Asparagus, being a variety of squash. Some people know it by no other name so we would call their attention to the fact that Italian Vegetable Marrow is the same thing. See price above.

**FALL AND WINTER VARIETIES**

**QUALITY.** A new and delicious winter squash. See page 17. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

**BOSTON MARROW.** An excellent fall squash, well known and popular in market. Fruit of good size, deep orange yellow, and with thick flesh of the best quality. We have a very fine pure strain. There is no better squash for fall and early winter use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 70c.

**PROLIFIC OR EARLY ORANGE MARROW.** Fruit deep orange color, with thick yellow flesh of the finest quality. It is similar to Boston Marrow but of darker color. One of the best squashes for fall or early winter use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**ESSEX HYBRID.** A sweet, fine-grained and high-flavored squash. Flesh very thick, deep yellow and firm. Fruit is round, ribbed and flattened at the ends, and of a deep orange color. Will keep all winter. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 85c.

**Hubbard, True Original Strain.** There has been a great deal of seed sold of inferior strains of Hubbard squash which have not the fine quality of the old variety. We are therefore glad to be able to offer some seed of a very fine strain of the old stock, which will be found excellent in every way. The fruit grows to a good, large size, yet is heavy and of extra fine quality, cooking dry and without any stringiness; the color is even dark green, no light-colored or striped fruit. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb. \$1.60.

**IMPROVED WARTED HUBBARD.** This strain of Hubbard squash produces very large fruit covered with warts, and of dark green color. Sells well in the market, as the fruit is very handsome and of the largest size, but is not as fine quality as the original Hubbard. The seed we offer is a fine strain of the true Chicago Warty Hubbard. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb. \$1.60.

**GOLDEN HUBBARD.** Like the true Hubbard, except that the fruit is of a deep orange red, making it very attractive in appearance, and is of a fine quality. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.**

**Delicious.** With the exception of the New "Quality" this is the finest flavored winter squash we know of. It is so dry and fine-grained that it resembles a good sweet potato more than ordinary squash. The fruit is not quite as large as Hubbard but is very heavy, and is of far better quality than that variety, being dryer, richer and sweeter. Gardeners find it profitable for market where good quality is appreciated. **Pkt. 5c; oz. 12c; ¼ lb. 30c; lb. \$1.00.**



The Delicious Squash (Photograph)

*Liebesapfel (Gr.)*

## TOMATOES

*Pomo d'oro (It.)*

One ounce of seed will produce 2000 plants

**Our Special Selected Strains.** We have for years made a specialty of raising tomato seed of the best possible quality, and we think our strains of some of the new and standard varieties are as fine as can be found anywhere, and far superior to what is usually sold. The seed of these special varieties is all grown on our own farm, and the greatest care is taken to improve the stock by selecting the fruit for seed from the vines that produce the smoothest, earliest and best tomatoes. Gardeners who wish an even crop of smooth fruit should try our seed.

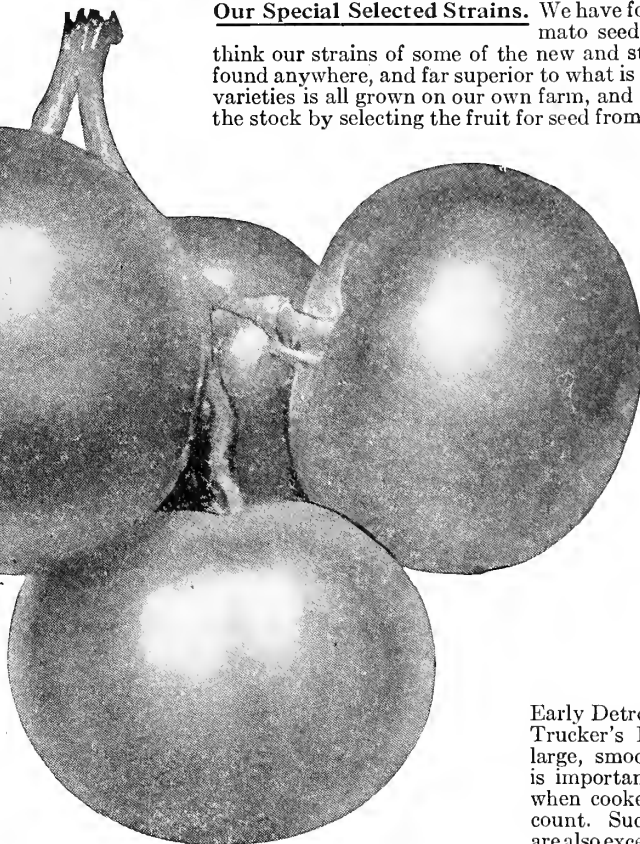
### NOTES ON VARIETIES

Of the early varieties **Earliana**, **Early Detroit**, **Bonny Best** and **John Baer** are decidedly the best. Of these **Earliana** is the earliest but does not color quite as well around the stem as **Bonny Best** and **John Baer**, which are a little later but better colored.

None of the very early kinds, except "**Bonny Best**," is of as fine quality as the best of the later varieties. Among the later kinds the best of dark red varieties are **Stone**, **Success** and **Enormous**. The best pink tomatoes for main crop are **Early Detroit**, **New Globe**, **Trucker's Favorite** and **Livingston's Beauty**, of which **Early Detroit** is the earliest, and **Beauty** the latest. **Trucker's Favorite** is medium late, and has very large, smooth, handsome fruit. For canning, it is important to get a tomato that is not too acid when cooked. **Stone** is one of the best on this account. **Success**, **Chalk's Jewel** and **Mississippi Girl** are also excellent, being very sweet and of good color.

#### BONNY BEST

The  
Finest  
Medium Early  
Tomato for  
Market  
or Home Use.



**New "Extra Early" Earliana.** A new strain selected for extreme earliness. See page 19. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.75.**

**Bonny Best.** A magnificent new early variety that should be largely planted for home use and market. The fruit ripens only a week later than **Earliana** and is very smooth and colored perfectly up to the stem. It is also solid and of the best quality. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.75.**



**Early Detroit.** A fine, new, early pink tomato. The fruit is of good size, smooth as an apple and ripens medium early, being considerably earlier than Beauty and Trucker's Favorite. The vines are healthy and very productive and the fruit is free from cracks and ripens evenly all over. Where a pink tomato is wanted the Early Detroit will be found one of the very best. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 80c; lb. \$3.25.

**Trucker's Favorite.** Very large, smooth and handsome, and one of the very best pink or purple fruited tomatoes. Not as late as Livingston's Beauty, but more solid and of finer quality. Vines vigorous, healthy and productive. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 85c; lb. \$3.00.

**Mississippi Girl.** A new main crop tomato. See page 19. Pkt. 10c; oz. 50c.

**John Baer.** A grand new, early variety. See page 19. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.10.

**Chalk's Early Jewel.** This tomato is not quite as early as Bonny Best, but is a little larger. The fruit is smooth and regular and of large size, solid and of fine quality. The vines are very prolific, and the fruit ripens medium early, so that the whole crop matures before frost. Seed of our own raising and of a specially selected strain, far superior to the seed ordinarily sold. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. 90c; lb. \$3.50.

**Stone, Harris' Selected Strain.** This is certainly one of the very best large late tomatoes for market, home use or canning. There is a good deal of inferior seed of this variety sold, but we have a strain of our own growing that produces magnificent large, smooth tomatoes that are of deep scarlet color and very solid, and of fine quality, free from acidity. There is no finer tomato for canning. We have not found any similar tomato quite equal to our strain of Stone. Where earliness is not especially desired, this tomato will meet all the requirements of the most critical growers. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.50.

**New Dwarf Stone.** Plants grow dwarf and stocky, like those of Dwarf Champion, and can be set out close together. The fruit is like Stone, solid, and deep red, and of fine quality. Ripens a little earlier than Stone. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. 90c; lb. \$3.50.

**Success Tomato.** The best main crop, deep red variety for home use or market. Those who want a deep red, smooth, handsome tomato of good size, either for market, table use or canning, will find the "Success" all that can be desired. It is medium late—not as late as Stone. The fruit is very solid, smooth and colored right up to the stem, with no green tinge. Does not crack, and is usually entirely free from black rot. We have taken great pains with our strain of this tomato and think we have greatly improved it since it was first introduced. We can recommend it to all who want the finest, smoothest and best flavored tomatoes. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. 90c; lb. \$3.50.

## OTHER VARIETIES OF TOMATOES

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
<b>IMPERIAL.</b> Large, smooth, pink tomatoes of fine quality and ripen early.....	\$0.05	\$0.25	\$0.75	....
<b>ENORMOUS.</b> Bright red, fairly smooth and very large. It is of rather coarse texture, but still of good quality, and it is so large that many people prefer it to smaller kinds	.10	.30	.90	....
<b>JUNE PINK.</b> Very early pink tomato, resembling the Earliana, except in color.....	.10	.30	.90	3.25
<b>PONDEROSA.</b> Immense tomatoes, not very smooth, but very solid; color pink. A popular variety for private gardens.....	.10	.30	.90	3.75
<b>NEW GLOBE.</b> One of Livingston's new tomatoes. The fruit is as round as an apple and is firm and of fine quality; color deep pink. One of the best tomatoes of this color.....	.10	.30	.90	3.25
<b>DWARF CHAMPION.</b> The vines are stocky and do not spread like other kinds. Fruit is of medium size, very smooth and of an attractive pink color. Ripens medium early.....	.05	.25	.75	2.75
<b>Livingston's Beauty.</b> Very fine, large, perfectly smooth and very handsome tomatoes of a deep pink color. One of the best market varieties, but ripens rather late.	.05	.25	.80	3.00
<b>LIVINGSTON'S FAVORITE.</b> Deep red, large and smooth. Very fine strain.....	.05	.25	.80	....
<b>Red Cherry.</b> Very small, round, red tomatoes that are used to serve whole in salads..	.05	.30	.85	....
<b>Red Pear or Fig.</b> Pear-shaped fruit about one inch in diameter. Sweet and of good flavor and will keep a long time. Wonderfully prolific and useful for preserves...	.05	.25	.75	....

## YELLOW VARIETIES

<b>GOLDEN QUEEN.</b> The best yellow tomato. Large, smooth and of very fine quality, being sweeter than other kinds. The fruit ripens very early and the vines are remarkably prolific.....	.05	.30	.90	....
<b>Yellow Plum.</b> Small, plum-shaped, bright yellow fruit; fine for preserves.....	.05	.30	.95	....
<b>Ground Cherry, or Husk Tomato.</b> (Also called Strawberry, or Winter Cherry.) Small yellow fruit, inclosed in a husk. It is of peculiar flavor and is used for preserves	.05	.30	.85	....

## TOMATO PLANTS

We can furnish tomato plants of superior quality at very moderate prices. See Plant Department last pages of this catalogue.

## TURNIPS

One ounce of seed will sow 200 feet of row. It requires from 2 to 3 lbs. of seed per acre in drills, or 1 to 1½ lbs. broadcast

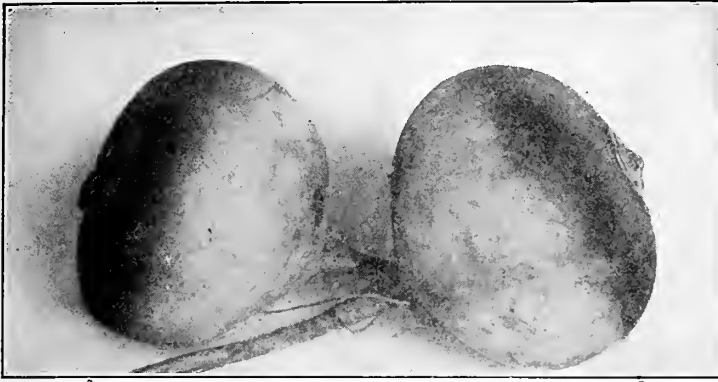
Turnips do best if sown late in the summer. In the northern states the seed of the quick-growing kinds, like Strap-Leaf and Purple-Top White Globe, should be sown about the first of August and the slower growing kinds a week or two earlier. Farther south turnips may be sown later.

The best results are obtained by sowing the seed thinly in drills 20 to 24 inches apart and thinning the plants so they stand 8 or 10 inches apart in the rows. Turnips do best on rather light, moist soil and are of superior quality when they grow rapidly on rich land.

**EARLY WHITE MILAN.** This is the earliest variety in cultivation. The bulbs are clear white, smooth and handsome, and much resemble the Purple-Top Strap-Leaf, but grow even faster than that variety, and are ready two weeks earlier. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.

**PURPLE-TOP MILAN.** Same as the White Milan except that it has purple tops. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$2.25.

**PURPLE-TOP STRAP-LEAF.** The favorite variety for summer and autumn use. The turnips are flat, clear white, with purple top. They grow very rapidly and are of good quality. Seed sown in July and August produces fine large turnips in the fall. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.60.



Purple-Top White Globe Turnip

**YELLOW ABERDEEN.** A large, globe-shaped yellow turnip with purple top. Fine for use in the fall or early winter, or for stock feeding. A heavy cropper. The seed should be sown the last of June for fall use. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.85.

**COW HORN.** A long white turnip largely used for stock feeding, as it yields very large crops. It is also of first-class quality for table use. It is a rapid grower, and can be sown late. Often sown in corn fields after late cultivating. The turnips grow more than half above ground and are easily pulled. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.40; 5 lbs. or more at \$1.35c per lb.

**GOLDEN BALL.** A handsome, early, yellow turnip, as round as a ball, with smooth, golden yellow skin, and fine-grained yellow flesh. The best early yellow turnip for table use. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.00.

**SNOWBALL.** A handsome, round, pure white turnip of fine quality. It is of handsome shape with small tops and grows rapidly. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.85.

**YELLOW STONE.** A round or globe-shaped yellow turnip of good quality, fine-grained, smooth and handsome. Grows to a good size and keeps well. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

## RUTA BAGAS OR SWEDE TURNIP

The ruta bagas, or Swede turnips, require longer to mature than the common kinds and should be sown earlier. To get heavy crops of large turnips sow the seed June 15 to July 10 in rows 2 to 2½ feet apart. Thin the plants to a foot apart and keep free from weeds.

For table use ruta bagas can be sown late and will be of **better quality**, but not as large as when sown early. These turnips keep well and may be stored in the cellar in moist sand or in pits.

**WHITE SHORT TOP.** This is a very handsome white ruta бага, with remarkably short tops and no "neck." Turnips are light green on top and pure white on the bottom and grow to a good size, and are of fine quality. This is the best white Swede Turnip we know of. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$2.40.

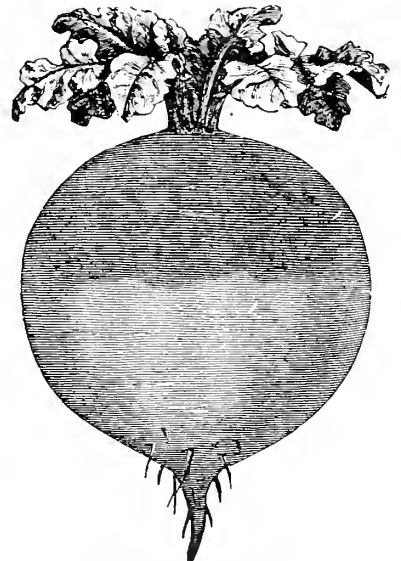
**Perfection Selected Swede.** This is a purple-top ruta бага that yields immense crops of large, smooth, yellow turnips of high quality. The roots grow very large, perfectly round, have very small tap roots and practically no neck. Crop of seed failed.

**IMPERIAL PURPLE-TOP, Long Island Improved.** This is a fine strain of yellow purple-top ruta бага, having smooth, handsome bulbs of good quality. The turnips are almost perfectly round, smooth, and bright yellow, with purple top. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 70c; lb. \$2.60.

**BREADSTONE.** When well grown this is a fine table turnip. It belongs to the ruta бага or Swede turnip class, but is smaller and earlier than the ordinary ruta бага. The seed should be sown the first part of July. If sown early the turnips get hard and coarse, and are not good for table use. It is in good edible condition in November, and will keep perfectly fresh and good all winter. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c; lb. \$2.25.

**WHITE SWEET OR FRENCH.** A globe-shaped white ruta бага with green top, and of excellent quality. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

**HALL'S WESTBURY (Selected).** This is a very finely bred Swede turnip, intended for table use, market and shipping. It grows to a nice size for this purpose, and is very smooth and handsome and of excellent quality. The turnips have purple tops and yellow flesh. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 75c.



Purple-Top Swede Turnip

## TOBACCO

**CONNECTICUT SEED LEAF.** The most popular variety for the northern states. Very bardy. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**STERLING.** Early and valuable for the North. Color bright yellow, and of the finest quality. Pkt. 5c; oz. 25c.

**HAVANA.** The finest Cuban tobacco, so famous for cigars. Leaf thin, and used principally for cigar wrappers. Pkt. 5; oz. 30c.



# AROMATIC AND SWEET HERBS

**BASIL.** Used for flavoring soups and sauces. Plant about 18 inches high. Pkt. 5c; oz. 15c.

**BORAGE.** Often used for bee pasture. Sow in spring in the open ground. Pkt. 5c; oz. 15c.

**CARAWAY.** Hardy biennial seeding the second year after sowing. Sow in spring or fall. Very easily grown. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c.

**CORIANDER.** The young green leaves are used for flavoring soups, salads, etc. Sow in the spring in the open ground. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c.

**DILL.** Used for flavoring cucumber pickles, etc. Pkt. 5c; oz. 10c.

**LAVENDER.** Used for its perfume. It is a hardy plant and will last for years. The seed is slow to germinate and people often fail to get it to start. It should be covered very little if at all. Pkt. 10c; oz. 50c.

**SWEET MARJORAM.** Very valuable for seasoning dressing for poultry, imparting a very agreeable and pleasant flavor. Easily grown from seed sown in the open ground in the spring. The tops of the branches should be picked off while young and tender and dried in bunches for use in the winter. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**ROSEMARY.** A perennial that will last for years when once started. Sow in the spring in the open ground where the plants are to remain. Crop failed.

**FENNEL.** The leaves are used for flavoring. Easily raised. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 25c.

**SUMMER SAVORY.** Easily grown by sowing seed in the open ground in the spring. Plant grows about a foot high with small, narrow leaves, which are dried on the stems and used for seasoning. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c.

**SAGE, Broad-Leaved.** When once started will last for years. Should be in every garden. Sow in the open ground and thin the plants to six inches apart. Pkt. 10c; oz. 30c.

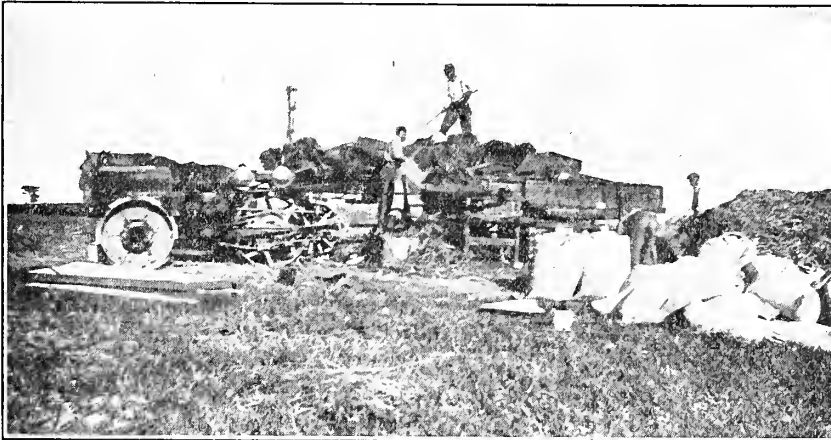
**THYME.** Start the seed in a box in the house or hotbed, or sow in the open ground early in the spring. Do not cover the seed, but press it into the soil. The plant will survive the winter if given a little protection. Pkt. 5c; oz. 35c.

**WORMWOOD.** A medical herb used largely for planting in poultry yards for chickens to feed on. Pkt. 10c.

**Holt's Mammoth Sage.** This variety of sage does not seed, so we can offer only the plants. The leaves grow much larger than the common sage, and are of superior quality. The plants are perfectly hardy and will stand the winter without protection. They make a very large growth, a single plant spreading out two or three feet across. By far the best sage for all purposes. Plants 12c each; \$1.25 per dozen. Weight for mailing  $\frac{1}{4}$  pound each, 3 lbs. per doz.

**SPEARMINT.** Roots 10c each, doz. 75c.

## SEED GROWING AT MORETON FARM



Many of Harris' Seeds are raised on Moreton Farm (near Rochester) while hundreds of acre are raised on neighboring farms under our personal supervision.

The photograph at the left shows a small threshing machine being used in the field to thresh spinach seed. The power is supplied by a tractor which we also use for plowing and fitting all our large fields.

The tractor was made by the John Deere Plow Co., Moline, Ill. and has proved very satisfactory.

In addition to many kinds of vegetable seeds we raise a few acres of flower seeds, such as asters, larkspur, cornflowers, cosmos, etc., as well as hardy perennial plants and Gladiolus bulbs.

We try to make everything we raise the best that we can produce. It does not pay us to raise seeds of ordinary quality as we could buy that kind cheaper than we could raise them. We want to convince the seed buyer that Harris' seeds are better than others, and the only way to do so is to make them better!



Field of Spinach for Seed

# SEED POTATOES

We have for many years devoted a great deal of attention to raising high class potatoes. We raised 30 acres on our own farm the past season and have many acres raised for us on neighboring farms.

**Seed from the Best Hills.** If you want to raise a big, strong, healthy horse you do not pick out the smallest and poorest scrub to be his father. But that is just what a great many people have been doing when they select their seed potatoes. The poorest and weakest hills always contain the smallest potatoes and these are most always picked out and used for seed.

What is the result? After raising a variety a few years it "runs out." There are many poor hills and the yield is much less than it should be.

The modern method with the best growers is to select seed from hills that produce the most desirable potatoes of uniform size and the largest yield per hill.

This selection is carried still further. The potatoes from each hill are planted separately from those of another hill and the ones that give the largest yield are used to produce seed another year. This is what is called the "hill-unit" system. Where carefully practiced it works wonders.

By this method a stock of potatoes can be worked up in a few years that will easily yield double the quantity formerly obtained from the old method of selection.

We can offer this year seed potatoes of the following varieties, grown from seed raised under the "hill-unit" system:

**Irish Cobbler**  
**Early Rose**  
**Bliss Triumph**

**White Hebron**  
**Golden Rural**  
**Todd's Wonder**

**Green Mountain, Jr.**  
**Pan-American**  
**Washington**

We notice when using this selected seed that the vines are stronger and more vigorous than usual, and there are no poor, weak hills. Every hill seems to be just like another and all produce a good lot of even size potatoes.

**Had Good Crops.** Very few people had good crops of potatoes in 1916. Mr. A. E. Longfellow of Massachusetts writes April 16, 1917, when potatoes were worth \$3.50 per bushel:

*"I was fortunate in buying some of your good seed potatoes last year, and while neighbors planting their own seed lost half the crop from blight and rot, mine were affected scarcely at all, and I have plenty to plant this spring."*

**THE PRICES HERE GIVEN** are for the potatoes carefully put up for shipment and delivered to freight house or express office without extra charge, but the purchaser is to pay the freight or express charges. We reserve the right to advance prices if our stocks get very low. The prices are subject to market changes. Please write for prices on lots of 3 sacks or more.

**POTATOES SHIPPED IN SACKS OR BARRELS.** We can ship potatoes either in barrels or in sacks. Sacks hold the same quantity as barrels (165 lbs.). Sacks cost 15c and barrels 40c, so it makes a difference of 25c in the price of the two packages. In ordering please state which you want.

If the potatoes are to be shipped in wooden barrels, 25c per barrel must be added to the prices quoted in this catalogue. We make no charge for sacks.

**SHIPPING SEASON.** It is usually safe to ship potatoes from here about March 20. We can ship earlier in paper-lined barrels, if our customers wish us to do so, with little risk, but we will not hold ourselves responsible for loss by freezing if the potatoes are ordered sent earlier than in our judgment it is safe to ship them.

**LOW FREIGHT RATES.** We can ship by Pennsylvania, Erie, Lehigh Valley and B. R. & P. Railroads from Rochester, which give lowest freight rates and quick delivery to all points. Shipments on the New York Central lines are made from Coldwater.

**HALF BUSHELS** and half pecks will be sent at half the bushel and peck price. We will send two or three different varieties in a barrel without extra charge, but cannot send more than one variety in a sack.

**ORDER EARLY.** We always run out of some varieties of early potatoes before planting time, so to be sure to get what you want order early. When orders are sent late in the season please mention whether we may substitute some other kind if sold out of the variety wanted. We will book orders at any time and ship the potatoes when safe to do so.

**"SECOND SIZE" SEED.** We offer a few second size seed potatoes of most varieties. These potatoes average about the size of a hen's egg, and make nice seed to plant whole or cut once in two. They are nice smooth potatoes. We do not sell this grade in smaller quantities than a barrel or sack. See prices under varieties.

## EARLY VARIETIES

### WHITE HEBRON

Those who remember the old Beauty of Hebron potato will welcome this new white variety of the same class.

This potato is of exceptionally, fine quality, cooking dry and mealy, and without any strong taste.

The new White Hebron is a remarkably vigorous grower, having strong healthy vines, free from blight or disease of any kind. While the vines do not die down as soon as some other kinds, yet the potatoes grow so rapidly that they reach a marketable size nearly if not quite as early as any kind grown.

In yield it is among the very first of the early varieties. Our field of White Hebron produced 250 bushels per acre the past season.

Mr. J. G. Woodruff of Connecticut writes Sept. 24, 1917:

*"I had one sack from you of White Hebron potatoes. The crop turned out 59 bushels, or as I figure it 21½ bushels for each bushel planted. (This is at the rate of 260 bushels per acre)."*

*"The bushel of Early Rose turned out 16 bushels, and are very good. I had a peck of Todd's Wonder which yield 6½ bushels." (This is over 300 bushels per acre.)*



New White Hebron



In a trial of a dozen early kinds planted side by side the White Hebron had the largest potatoes under the vines July 4th when they were ready to use. The potatoes will, however, grow a long time after that date and produce a large crop of handsome, pure-white potatoes.

The potatoes are medium long, with smooth white skin and numerous shallow eyes, and are of high quality.

We are sure this new kind will be found one of the most productive early varieties, valuable for home use and profitable for market.

Pk. 85c; bu. \$3.00; sack (165 lbs.) \$8.00.

**Second Grade.** We can offer some White Hebron potatoes that are somewhat scabby, but otherwise fine, large, sound potatoes that will grow perfectly, as there is not enough scab to injure them. Price \$1.90 per bu.; sack \$5.00.

**Irish Cobbler.** The most popular and largely planted early potatoes. Round, pure white, extra early and of best quality. Grows uniformly large, there being fewer small potatoes than in any other early kind. There are a great many potatoes being sold for Irish Cobbler that are not that variety at all; other lots are so badly mixed with late kinds that they are worse than useless to plant for an early crop. The seed we offer is of our own raising on new soil and it is **strictly pure**. It was grown from seed raised under the hill-unit system of selection and will produce much more uniform crops and larger yields than ordinary seed of this variety. Pk. 80c; bu. \$2.85; sack (165 lbs.) \$7.50. Second size \$7.00 per sack (165 lbs.).

**Early Six - Weeks.** This variety resembles the Early Ohio so closely that it is hard to tell them apart.

With us, however, the Six-Weeks is a better yielder than the Ohio and fully as early. Some growers think it is earlier. It sets more potatoes in a hill than the Ohio and yields better. It is fully as early as **any variety we know of and yields better** than other kinds equally early. The vines are small and ripen down early so the crop can be dug and removed from the land in time to plant some other crop. The potatoes are in shape and color like the Ohio, oval with blunt ends and with light pink skin. Pk. 85c; bu. \$3.00; sack (165 lbs.) \$8.00. Second size \$7.25 per sack.

**Early Ohio.** The standard early potatoes; medium long with square ends; color light red, deeper around the eyes. Vines small and die down very early. Yields well under high culture. Pk. 85c; bu. \$2.85.

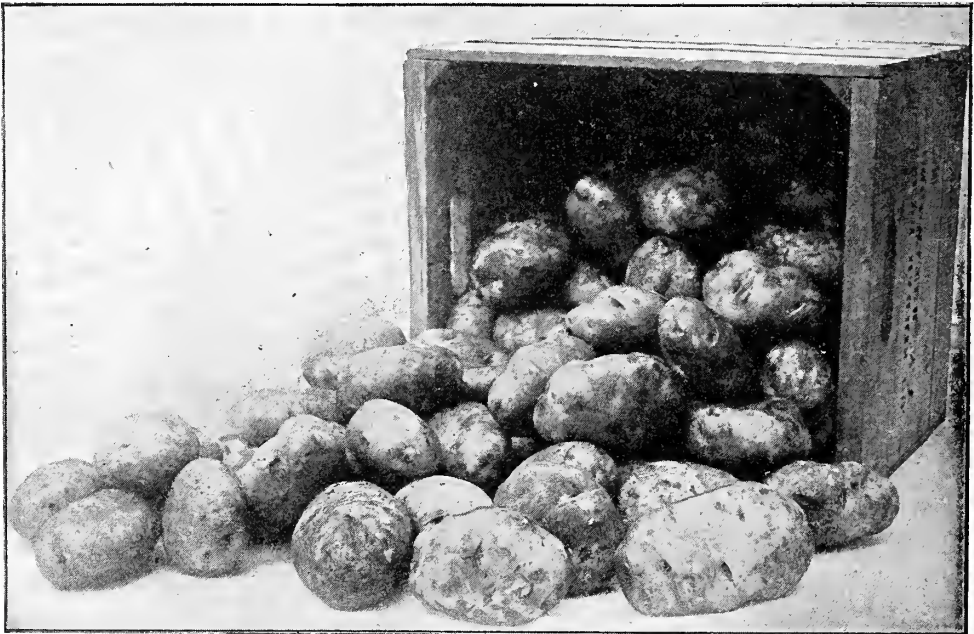
**Early Rose.** Probably the most popular early potato ever raised in this country. It has been the standard for yield and quality for thirty years. There is very little true Early Rose seed to be had, but we are glad to be able to offer some genuine stock grown under the "hill-unit" system and possessing the old-time vigor and quality. The potatoes are oblong and light red with shallow eyes. They yield well for an early kind and the quality is of the best. Pk. 80c; bu. \$2.75; sack \$7.00.



Bliss' Triumph

**Bliss' Triumph.** This is the potato that is commonly sold in the early spring as "Bermuda potatoes." They are round, light red and have rather deep eyes. They mature **extremely early** and are of **fine quality**. The seed we offer was raised under the "hill-unit" system, and is of a very superior strain. Pk. 85c; bu. \$3.00, sack \$8.00.

## LATE AND MAIN CROP VARIETIES



Todd's Wonder Potato (Photograph) The heaviest yielder we know of

**Todd's Wonder.** We have never sold a potato that gave such universal satisfaction as this. Everyone who has raised Todd's Wonder reports excellent results, and many say it is the best potato ever raised in their locality. It has yielded more than any other kind for several years, and we consider it one of the most profitable potatoes to raise.

Mr. Chas. L. Todd, of Otsego Co., N. Y., has been working on the World's Wonder potato for some years, selecting his seed each year from hills that produce the heaviest yields and most uniform

sized potatoes. The result has been to greatly improve the variety in health and vigor, and consequently in yield.

**There are no poor hills.** The seed potatoes all come from strong, healthy vines and they produce such.

The "Todd's Wonder" is of the Rural or Carmen class, has very vigorous, healthy vines that usually stay green until killed by frost. The potatoes are round, smooth and handsome and of good quality. Pk. 80c; bu. \$2.60; sack (165 lbs.) \$6.75.

**Golden Rural.** This is practically a "blight proof" potato. The vines grow with remarkable vigor, with thick stout stalks, and heavy deep green leaves, and completely cover the ground. The potatoes are round, flattened and of a beautiful golden russet color with very few and shallow eyes. People who have trouble with potatoes blighting and not yielding well should raise some of these new Golden Rurals. The vines will keep healthy and green until the potatoes are fully matured, or until they are killed by frost. The Golden Rural will yield good crops where other varieties would be complete failures. The potatoes grow well distributed in the hill and of such uniform size that an over-grown one can hardly be found, even where the yield runs over 300 bushels per acre. The potatoes are not over large, 7 to 9 in a hill, practically all of nice size for table use,  $\frac{3}{4}$  to  $\frac{1}{2}$  pound each. This is a late variety and should be planted before June 1st to get a fully matured crop. Pk. 75c; bu. \$2.75; sack (165 lbs.) \$7.50.

"I think the Golden Rurals are the best yielders in all seasons and under different conditions of soil. I have grown as high as 300 bu., to the acre of this variety."—FRED BENNETT. Jan. 9, 1917.

**Million Dollar.** A round, white potato with purple sprouts belonging to the Rural class. It is one of the very best of this class, yielding from 25 to 50 bushels more per acre than other similar kinds. The vines are vigorous and healthy, and the potatoes grow rapidly, set early and produce good crops under unfavorable conditions. Many growers think there is nothing quite equal to the Million Dollar. Pk. 75c; bu. \$2.60; sack (165 lbs.) \$6.50.

**Green Mountain, Jr.** A seedling of the well-known Green Mountain and is an improvement on that variety, being of greater health and vigor; resists blight better and is of equally fine quality. The potatoes are round and smooth with shallow eyes and slightly russet skin, like the old Green Mountain. This potato is of very high quality for table use and we strongly recommend it to those who want to raise the very best potatoes for their own use or market. Our seed was selected by the "hill-unit" system and is consequently pure, healthy and vigorous. This potato yielded wonderfully fine crops the past season in spite of unfavorable weather. One field of four acres grown for us on a neighboring farm produced 1000 bushels, or 250 bushels per acre. Pk. 80c; bu. \$2.75; sack \$7.00.

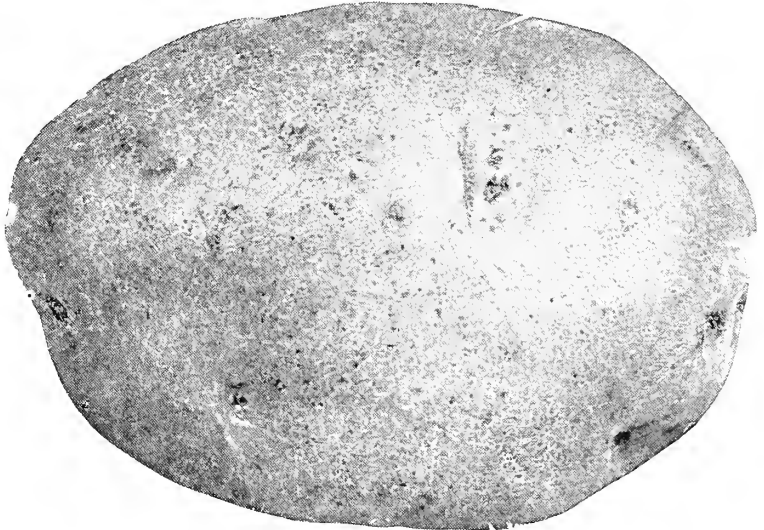
**GREEN MOUNTAIN.** Has been grown for many years and is still one of the leading kinds. The potatoes are round, somewhat flattened; very smooth with slightly netted skin and are of superb quality. For the home use and for market where quality counts the Green Mountain will be found excellent. Pk. 80c; bu. \$2.60; sack \$6.75.

**Sir Walter Raleigh.** This is undoubtedly the best of the Carman or Rural seedlings. It is a seedling of the Rural New Yorker, and has the vigor of that variety before it degenerated, as it undoubtedly has. It is an improved Rural with new blood and renewed vigor. The potatoes resemble the Rural in shape, but are smoother with shallower eyes, slightly netted skin and much better quality. Pkt. 80c; bu. \$2.60; sack (165 lbs.) \$6.75.

**Washington.** A very handsome, smooth, white potato, oval in shape and with shallow eyes. Matures medium early and yields immense crops on light soil. Does especially well in southern Pennsylvania and New Jersey and farther south. Pk. 80c; bu. \$2.60; sack \$6.75.

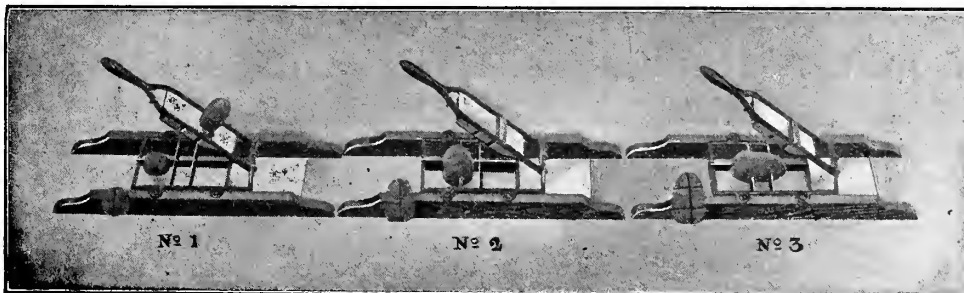
**Dibble's Russet.** This potato has proved to be a heavy yielder under unfavorable conditions. In the very unfavorable season of 1916 the Russet yielded better than any other kind in this locality. The past season being more favorable other kinds, such as Todd's Wonder and Green Mountain, Jr. in some cases yielded better. We have no doubt, however, that the Russet will prove a very valuable variety. The vines are strong, hardy and vigorous, and do not usually blight. The potatoes are round of medium to large size, few and shallow eyes and a russet skin. The quality is very good. The yield is usually higher than other kinds.

We have some very fine pure seed of these potatoes which we think will give perfect satisfaction to any grower who uses it. Pk. 60c; bu. \$2.30; sack \$6.00.



Green Mountain, Jr.

## HARRIS' SEED POTATO CUTTER



No. 1 shows how a small potato is cut into two pieces, and also how the seed end is cut off if desired.

No. 2 shows how medium-sized potatoes are cut into four pieces.

No. 3 shows how large potatoes are cut into six pieces.

This is the only really satisfactory Potato Cutter we have ever used. With it a man can cut five times as many potatoes in a day as by hand and cut them any way desired. The cutter is placed on top of a bushel crate or barrel so that the potatoes fall into it when cut. When cutting, the level is raised with one hand and a potato placed on the knives with the other in such a position as will cut it in as many pieces as desired. (See picture above.) By a simple movement of the hand the potato is cut and falls into the box below.

To take off the "seed end" the potato is simply drawn over the knife blade on top of the plate as shown in Fig. No. 1. The pieces fall on a plate and are kept separate from the rest of the cut potatoes. This cutter will pay for itself in a day. A large grower cannot afford to be without one. The cutter is 2 feet long and 8 inches wide; weight, 8 lbs. Price \$2.75.

Try one of these cutters. If you don't like it send it back in good condition and we will give you back the money promptly and without question. No potato grower who has ever tried one of these cutters would be without it for five times the price.

Please write us for prices on potatoes you want stating kind and about the quantities.



# FARM AND FIELD SEEDS



Cutting "Bumper Crop" Oats

The production of high-class seed of the best varieties of oats, corn, wheat and other grains, as well as potatoes, has for many years been one of the principal branches of our business, and no part receives greater attention.

**The Importance of Good Seeds** is becoming more generally understood, and progressive farmers no longer think of using the seed of the old "run out" varieties that they were sowing years ago.

Take corn, for instance. It has been plainly shown by recent experiments that the yield per acre can be nearly doubled by using seed that has been selected with intelligence and properly cured. The same is true of other grain crops. The best results can only be obtained by the use of the very best seed that can be grown. It does not pay to use anything else.

**Our Seeds are Better** than common seeds. With the latest improved power machines for cleaning and grading seed grain and by the scientific treatment of our seed to prevent smut and other diseases, we are able to furnish much better seed than it is possible for most farmers to produce. It costs a little more of course, but the extra cost is nothing compared with the increased yield and quality of the crops.

## BARLEY

**Wisconsin Pedigree.** This is a "thoroughbred" strain of six-rowed barley bred up at the Wisconsin Experiment Station by selecting the best plants and saving seed from them. The result of this careful breeding is that the barley produces uniformly large, well-filled heads on strong, vigorous plants and therefore yields much more than the common kinds. The grain is large, plump and heavy. We offer some very fine seed grown direct from pedigree stock. It will certainly pay barley growers to use this improved variety. **Pk. 65c; bu. (48 lbs.) \$2.65; bag (2 bu.) \$5.00.**

**SIX-ROWED "STATE."** We can offer good six-rowed barley grown in this state. It is good, clean, pure, six-rowed barley. **Pk. 50c; bu. \$2.35; bag (2 bu.) \$4.50; 10 bu. or more at \$2.15 per bu.**

## BUCKWHEAT

Buckwheat is easily raised and will make profitable crops on rather poor land, where other grain would fail. It is also largely used as a cover crop in orchards. Sow in June or July, using 3 pecks to 1 bushel of seed to the acre.

**JAPANESE.** The grain is large and dark brown or black; ripens early and is very prolific. The kernels are considerably larger than the common gray buckwheat. **Pk. 50c; bu. (48 lbs.) \$2.60; bag (2 bu.) \$5.00.**

**SILVER HULL.** Small gray kernels that make the finest quality of buckwheat flour. Yields large crops and is considered by many growers the most profitable kind to raise. **Pk. 50c; bu. \$2.60; bag (2 bu.) \$5.00.** Please write for price on larger lots.

## WINTER WHEAT, RYE, ETC., FOR FALL SOWING

The seeds offered below are of this year's crop now growing and will not be ready for delivery before August. We will issue a price list of seeds for fall sowing the first of August. If you wish a copy please ask for it and it will be mailed when issued.

**Winter Wheat, St. Louis Prize.** A bald or smooth chaff red wheat that has proved a superior variety both as to yield and quality. The berry is medium short, plump and heavy. The straw is strong and stiff; heads of good length, compact and well filled. A strong grower and resists the fly better than other kinds. **Price on application.**

**WINTER WHEAT, RED WAVE.** Has long, well-filled heads and large, heavy red grain. A fine variety. **Price on application.**

**Winter Rye, Wisconsin Pedigree.** This new rye is much superior to common rye, the berry being larger and of lighter color, and the heads longer and yield better. We shall have a good lot of this new rye to offer in August. **Write us for description and price.**

*"The seeds se bought of you people this Spring all came fine and we want to thank you for putting out this kind of seeds. The public will soon find out."*—Brown Bros., Canton, N. Y., Aug. 13th. 1917.

*"Your seeds are O.K. It is the first time I ever bought and sowed seeds which I did not have to replant. This year I have to thin them out. I believe every seed came up that I put in."*—Geo. Takach, West Brownsville, Pa.

*"The 'Bumper Crop' Oats I bought of you last year won first prize for best ½ bu. oats and best sheaf of white oats at our State Fairs in October."*—E. E. Smith, Bountiful, Utah, Feb. 19th. 1917.

*"Received the Potatoes to-day in fine shape. I am well pleased. They are the finest seed potatoes I ever bought."*—Harry Walruth.

*"The seeds purchased from you last Spring all proved good—good vitality true to name and of an extra good strain."*—H. P. McHugh, Charlotte, Mich., Nov. 19th. 1917.

## NEW "BUMPER CROP" OATS

These are the largest and plumpest oats we have ever seen grown in this country. The grain is so large and plump that it can readily be distinguished from other kinds at a glance.

The heads are long with the grain heavily clustered. This would be classed as a side oat, but is more clustered and stands more upright than other varieties of this class.

It originated from a single plant found in 1906 in a field of oats that had lodged flat on the ground with this one plant standing up alone.

This one plant had very large, stiff straw and immense heads of peculiar form, and the grain was much larger than any of the other oats in the field.

The seed from this plant was saved and sown the next year, when it was seen that it was a perfectly distinct variety.

The remarkable vigor of these oats is very noticeable at the first sight of a field of them. The straw stands stiff and straight, as large as a lead pencil and with very broad leaves, often nearly an inch wide.

These oats can be grown on rich land and will stand up straight and stiff where other kinds would go down before half ripe.

Let us send you a sample of the Bumper Crop oats. We know when you see how superior the grain is to other kinds you will want some. We do not believe there were ever finer oats grown in this state before.

Sample free if you ask for it. Pk. 60c; bu. \$1.50; bag (2½ bu.) \$3.50; 10 bu. or more at \$1.35 per bu. Sow 3 bushels per acre.

**More Oats on 7 Acres Than His Neighbors Got on 20 Acres.**

"I bought two varieties of oats of you two years ago and was exceedingly well pleased with the results. I raised more oats on 7 acres than some of my neighbors got on 20."—J. A. MARTIN.

"Those oats I got of you last spring is rightly named. I had a Bumper crop of them."—A. AKIN, Rens. Co., N. Y.

### A NEW EARLY OAT—Pedigree No. 105

This is the earliest oats we ever saw. Our crop was cut and in the barn 10 days before any other kind was fit to cut. Ripens before barley.

The straw is short and strong and stand up stiff and straight even in a wet season like last year when most fields of oats were down flat. Our field of Pedigree No. 105 was a pretty sight—as even as a floor and standing up like a wall. The yield was 78 bushels per acre on ordinary land with no manure or fertilizer.

This is a valuable variety to use as a nurse crop for Clover or Alfalfa. It is so early and has such short straw that a crop of oats can be raised and taken off the land before the Clover or Alfalfa is injured.

For rich land where oats usually lodge this No. 105 will be found of great value. The straw on rich land grows about 30 inches tall and carries the heads straight up. The grain is of only medium size but the meat is of good size and heavy with a thin hull of a yellowish color. Head branching, but quite compact.

This variety originated at the Iowa Experiment Station where they report that the No. 105 was the highest yielder of all their pure lines. Pk. 60c; bu. \$1.75; 2½ bu. bag \$4.15; 10 bu. or more at \$1.60 per bu.

### LONG'S WHITE TARTAR OATS

We have sold this variety of oats for a number of years and it has given universal satisfaction everywhere. We have had yields of 100 bushels per acre on large fields on our own farm, and many of our customers report fully as large yields.

These oats have immense heads of grain, often measuring nearly a foot long, and containing by actual count over 150 kernels. It is a side oat. The straw is very large, strong and stiff. In one of our fields these oats stood a foot higher than wheat growing beside it. The kernel is large, plump and heavy, pure white, and with thin hulls. There are no better oats for feeding than these.

We offer Long's White Tartar Oats thoroughly cleaned and free from weed seed, but they are a little mixed with branching oats which of course does not injure them, except for raising oats to sell for seed. Pk. 50c; bu. \$1.50; bag of 2½ bu. (80 lbs.) \$3.50. 10 bu. or more at \$1.25 per bu. No charge for bags.

"The Tartar oats seed that I got of you has turned out fine. On one stalk there were 145 oats, and the piece stood up to my shoulders. They all say around here they never saw such oats. A lot of them want to buy seed of me."—E. M. BUTTERFIELD, Aug. 6, 1917.

not give a profitable crop. It is often mixed with oats and helps to make a larger yield. Sow 2½ bushels per acre, the same as you would oats or barley. Pk. 60c; bu. (40 lbs.) \$2.25; 2 bu. or more at \$2.15 per bu.

## SPRING WHEAT

Spring wheat can be raised anywhere in the northeastern states as well as in the West. At present prices of wheat it should prove a profitable crop. Sow as early as possible using 2½ to 3 bushels of seed per acre.

**MARQUIS.** A very early beardless wheat that succeeds well in the east, producing larger yields than any other kind. This is due to its earliness and freedom from rust. Pk. \$1.10; bu. \$3.85, 2 bu. or more at \$3.75 per bu. Price subject to change. Please write us when ready to buy.



New "Bumper Crop" Oats (Photograph half natural size)

**Golden Fleece Oats.** The Golden Fleece has proved to be one of the very best varieties of the branching class. The grain is white, large, plump and heavy, with thin hulls. The straw is stiff and carries very large branching heads. These oats have a record yield of 108 bushels per acre, while yields of 75 to 80 bushels per acre are very common, and can easily be obtained with this variety under ordinary conditions. The straw is medium tall, stiff and does not often lodge. Pk. 50c; bu. (32 lbs.) \$1.65; bag of 2½ bushels (80 lbs.) \$3.75; 10 bu. or more at \$1.40 per bu. No charge for bags. Samples will be mailed on request.

## SPELTZ OR EMMER

A Russian grain that has become quite popular in the West for feeding purposes. It resembles barley somewhat and is grown in the same way. Its principal value is for poor, dry land where oats or wheat would





Hall's Gold Nugget Corn

One of our customers a year ago husked  $2\frac{1}{4}$  bu. from every shock or over 200 bu. of ears per acre on a 10-acre field

**Real Seed Corn.** We take the greatest care of our seed corn from the time it is harvested until it is shipped to our customers. If the corn when husked is not perfectly dry (which is not often the case), it is placed in a drying house where it is thoroughly cured in warm, dry air, so that it comes out in the best possible condition full of life and vigor. It will come up promptly and grow vigorously, which is of the greatest importance, especially in the northern states.

**THE PRICE OF GOOD SEED.** Any thinking person must know that if seed corn is sold at a low price per bushel it must be the general run of the crop instead of the very best ears only. No one could possibly select out the choicest ears, properly cure them and put the seed up in bags and sell it at about the market price for feeding corn.

It only requires a peck of corn to plant an acre. A grower could much better afford to pay a dollar for a peck of really good selected seed corn than to take ordinary corn as a gift.

**NORTHERN GROWN.** The corn we offer for seed (except a few late varieties of Dent Corn) is all grown right here in western New York, near Lake Ontario, where the summers are short and cool, and consequently all the varieties must be early and will mature anywhere in the country where corn can be raised at all.

**TESTED FOR GERMINATION.** Before sending off any seed corn we make thorough tests to ascertain its vitality, and we mark the percentage that germinates on the label so that the purchaser will know just how many kernels out of 100 will grow. We should be glad to give the results of our tests at any time during the winter or spring to anyone interested.

**A SHORTAGE OF GOOD SEED CORN.** There was no real "corn weather" the past season. It was too cool and wet. Only the very earliest kinds and those planted on exceptionally good soil matured. We have done our best to save all the really good corn out of the many crops raised for us, and can offer a limited quantity all of which is of good vitality. There will be very little of such corn available this season as few people have the proper facilities for drying it.

## HALL'S GOLD NUGGET CORN

The Largest and Most Prolific Yellow Flint or "State" Corn Grown. Ears 12 to 13 Inches Long. Ripens Perfectly in New York and Southern New England

This corn is greatly admired by everyone who sees it. The ears are often 12 to 13 inches long and over 6 inches around and weigh over a pound. The kernels are simply immense, being twice as large as most other varieties. To those who are accustomed to raising the ordinary yellow "state" corn with small kernels these immense ears are astonishing. The kernels are so large that an ear, having as it does only eight rows, is twice as large around as common eight-rowed corn and usually much longer. Two of these big ears are often produced on one stalk. It is no more trouble to husk, handle and shell a big ear than a small one and you get twice as much corn from the big ear.

**EARLINESS.** This corn matures medium early and is suitable for almost any section of the country except the northern parts of New York and New England and a few places of high elevation. In most of New York State, Massachusetts and all places south and west of these states the Gold Nugget corn will mature perfectly in a normal season and produce immense yields on good soil.

*Under ordinary field culture we have raised 1140 bushels of ears on 6 acres or 190 bushels per acre equal to 95 bushels shelled corn.*

The Gold Nugget will yield more than any other variety of corn we know of that will mature in this locality. The stalks grow 7 to 8 feet high and are well covered with leaves. Many produce two large ears. The fodder is of excellent quality and the quantity produced is very large.

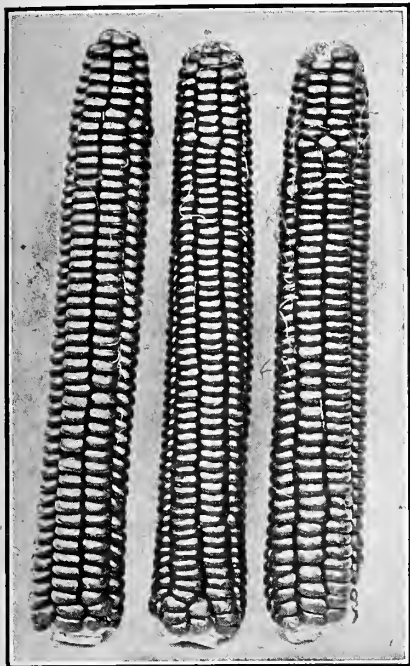
**PRICE.** Shelled corn from the very best ears. Qt. 30c; pk. \$1.95; bu. \$7.00.

### IT PAYS TO USE GOOD SEED CORN

You are often tempted to buy seed corn where you can get it with the least trouble and expense. This is often the cause of much wasted labor and loss of the crop.

One of our customers in Connecticut writes:

*"The seed corn I bought of you last year was fine. Some of my friends thought I was foolish to pay 25c and freight per bushel more than they did right here, but they had to plant twice and then had a poor stand. I planted once and I guess about every kernel came up."*



Harris' Mammoth Yellow Flint Corn

## WHAT OTHERS SAY ABOUT GOLD NUGGET CORN

*We planted Gold Nugget corn last spring of which we secured 225 bushels from 1½ acres. It was practically the only corn which ripened in our neighborhood.*—HARLEY ELLSWORTH, Apr. 16, 1917.

Mr. Merton L. Smith, Oneida Co., N. Y., writes April 29, 1916:

*"Your Gold Nugget corn is the best to be had. One ear is as large as two ears of any other corn, and stock will eat the stalks better than they will the sowed corn we raise here on the same ground."*

Mr. Wright R. Hently, Ontario Co., N. Y., writes April 13, 1916:

*"I had excellent results from your seeds which I received last year. Grew 209 bushels of fine hard Gold Nugget corn on 1½ acres."*

Mr. John Bellow, Venango Co., Pa., writes:

*"I got a bushel of your Gold Nugget corn last year and raised from it 850 bushels. It was the best corn I ever grew."*

Dr. C. B. Warner, Essex Co., N. Y., writes August 31, 1915:

*"The Gold Nugget corn is the finest piece of corn ever grown on my farm. Some stalks are over nine feet tall and it is heavily eared."*

Mr. C. F. Snyder, Onondaga Co., N. Y., writes February 25, 1915:

*"I want to say that I planted to your Gold Nugget field corn 5.65 acres and husked from the field 1206 bushels of ears. This is 213 bushels per acre."*

Mr. L. J. Robertson, Jr., Hartford Co., Conn., writes:

*"I had the record yield of Flint corn for Hartford County the past season—97 bushels shelled corn on one acre. The variety was Gold Nugget, which certainly is a splendid corn. In fact I never have seen any other variety of Flint corn that surpasses it, and I have grown numerous varieties."*

Mr. Geo. M. Armstrong, Livingston Co., N. Y., writes:

*"The corn I ordered of you was the best I ever raised. Had 242 heaping bushels of ears on 1½ acres. The variety was Gold Nugget. Have one ear that measures 15 inches from tip to butt kernel."*

## GOLD NUGGET CORN FOR THE SILO

The Cornell Experiment Station some time ago made some experiments in regard to the actual food obtained from different kinds of corn. They found that 10 tons of Gold Nugget corn contained more dry matter than 13 tons of Southern Dent corn, which did not mature.

This Southern corn, yielded two tons more per acre, but the extra weight was **all water**, as the actual dry matter obtained off an acre of Gold Nugget was over 800 pounds more than for an acre of the Southern corn. Water is cheap and it does not pay to fill a silo with it.

In the northern parts of the country where the large varieties of Dent corn do not mature. Gold Nugget will produce more actual food per acre than any variety we know of.

**PRICE OF GOLD NUGGET FOR ENSILAGE.** We can furnish good, sound corn of almost perfect germination (95 per cent or better) that is suitable for this purpose at the following prices. This corn is from ears not quite up to our standard in size and shape for our best selected grade. Per bu. \$4.75; bag of 2 bu. \$9.25.

**Harris' Mammoth Yellow Flint Corn.**

A very fine, large, yellow Flint or "State" corn. The ears grow very long, some measuring 13 inches, and have 8 rows of large, bright yellow kernels and are filled right out to the tips. The cob is small, the stalks grow about 7 to 8 feet tall and have numerous broad leaves and make **excellent fodder**. The ears are produced well above the ground, so the stalks can be readily cut with a binder. Many stalks have **two good large ears** if not planted too thick. This corn will ripen ready to cut in 90 days from the time the corn comes up. Compared with Gold Nugget the corn has ears as long but the kernels are smaller and consequently the ears are not as large around. The stalks do not grow quite as tall and are not as coarse. The corn ripens a week or 10 days earlier. Shelled corn from carefully selected ears. Qt. 25c; pk. \$1.50; bu. \$5.50.

## A BIG YIELD

Mr. D. E. Stone, of Otsego Co., N. Y., writes:

*"I planted three different pieces with Harris' Mammoth Yellow Flint corn I got of you last spring—½ acre, 1 acre and 2 acres. I husked out the ½ acre and 1 acre lots. There was some soft corn that I did not count; I only counted good sound ears, there being 200 bushels, and besides this amount I have 48 strings braided up of the very best of this sorted out when husking. I counted a good half bushel in each string. The 2-acre plot I put in the silo. This was eared just as good. I am feeding this to the stock now and is grand ensilage. I found the stalks on the ½-acre piece weighed 22,800 pounds (over 11 tons). The stalks grow more than ten feet high, many of the ears 15 inches long. A great many old farmers said this outdone anything they ever saw in field corn."*

Another of our customers writes:

*"I raised 491 bushels of corn from 2½ acres last year. I bought the seed of you last spring. It was Harris' Mammoth Yellow Flint. About one acre of the field turned 2 crates to 36 hills. I left from 4 to 6 stalks to the hill. The rows were three feet to four inches each way. You couldn't get that yield of corn thinned to 3 or 4 stalks."*

**Early "Red Glaze" or King Philip Corn.**

A very early Flint or "State" corn, with deep yellow kernels tinged with red. The ears grow 9 to 10 inches long, 8-rowed, very small cob and are well filled to the tips. The great value of this corn for the North lies in the fact that it **will mature perfectly in any season**, no matter how unfavorable. It was the only corn that matured perfectly in this neighborhood in the very cool summers of 1907 and 1917. The stalks grow about 7 feet tall and are not coarse and make the best of fodder. We now have a carefully bred strain of this corn with larger kernels than is usual with this variety. This corn always gets ripe, and on this account often produces much larger crops of good sound corn than larger and later kinds which fail to mature under unfavorable conditions. Shelled corn from choice ears. Qt. 25c; pk. \$1.35; bu. \$5.00.

Samples of any variety of corn will be mailed on request.



Early "Red Glaze" Corn (Photograph)



## MAMMOTH EARLY WHITE FLINT CORN

There is considerable demand for white corn for milling and we are glad to be able to offer this remarkably fine variety which was grown in this neighborhood (Western New York).

The ears are often 14 inches long, eight-rowed and have good size, white kernels and very small cob.

This corn ripens very early. It was one of the very few kinds that matured perfectly the past season.

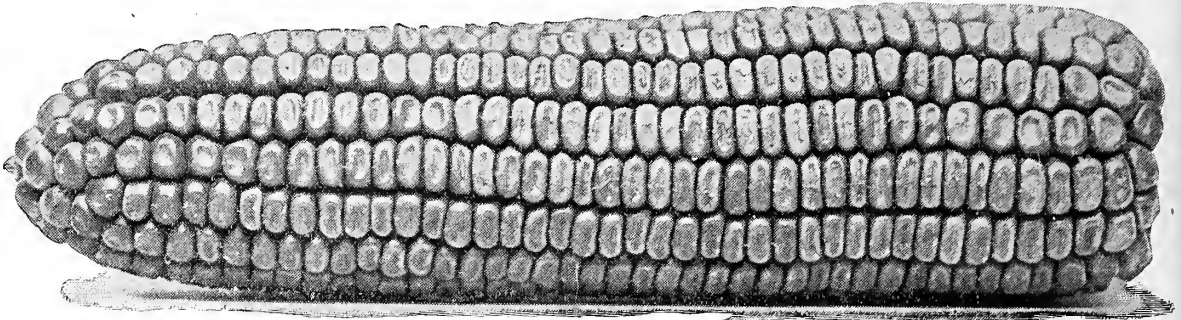
The stalks grow 6 to 7 feet high and often produce two good ears. This is the earliest and most productive White Flint corn we know of. Qt. 25c; pk. \$1.50; bu. \$5.50.

## DAVIS' IMPROVED EARLY HURON CORN

A Very Early Dent Corn Suitable for New York and the New England States

It is a well-known fact that the Western Dent corn yields more bushels of shelled corn per acre than the Eastern "State" corn. Western grown seed, however, does not produce corn that ripens well in the East. When seed grown in this state is used and the variety is a good one, Dent corn will mature perfectly and produce big yields of nice sound corn.

Where horses are fed corn on the ear, Dent corn is much better than Flint or State Corn, as it is softer and shells easier.



Photograph of Davis' Early Huron Corn Two-thirds Natural size

Davis' Improved Early Huron is the earliest Dent corn we know of. This corn ripens fully as early as most varieties of Flint or "State" corn and earlier than some

The ears are of medium length, 8 to 9 inches long, and have 14 to 16 rows of deep yellow well-formed kernels. The cob is small and dries out quickly, and the ears break off easily when husked. The ears are very compact and heavy. Two bushel crates of ears will produce nearly 1½ bushels of shelled corn. The stalks grow 7 feet tall and make good fodder.

For those who want to raise large crops of corn that will get ripe early in September we recommend this variety.

**PRICE OF SEED.** We offer some very fine seed, grown in this neighborhood, that will be found of the highest quality in every way. It has been thoroughly dried in our drying houses and the germination is almost perfect. Shelled corn from the very best ears. Qt. 30c; pk. \$1.50; bu. \$5.50.

### 87 BUSHEL SHELLED CORN PER ACRE

The Connecticut Experiment Station reports as follows:

*"No doubt you will be interested to know that in 1914 your Early Huron corn yielded 87 bushels per acre of dry shelled corn, and was third on the list of 27 varieties at New Haven. So far it has proven to be an excellent variety for Connecticut."*—D. F. Jones.

**Sanford White Flint Corn.** The Sanford has long been the most popular white Flint corn. The ears are long and the kernels are of good size, white and very hard. The stalks grow tall and very leafy which makes this one of the most valuable varieties for fodder in the North. The ears mature earlier than the Dent or "Western" corn usually sown for fodder, while the stalks are tall without being coarse. Pk. \$1.50; bu. (56 lbs.) \$5.50; 2 bu. or more at \$5.25 per bu.

**Pride of the North.** A very popular, yellow Dent corn. The ears are of medium size, 8 or 9 inches long and the corn is deep yellow, hard and of high feeding value. A good variety for fodder and ensilage. Not as early as Davis' Early Huron and will not ripen the grain north of Pennsylvania. Pk. \$1.25; bu. \$4.50.

## EARLY GOLDEN SURPRISE CORN

Although not quite as early as Davis' Early Huron or Clarks' Early Wonder this is an early Dent corn called a "90-day" variety in Ohio, and matures perfectly in western New York in a favorable season.

The ears are of good length, not too large around, nearly the same size the whole length, small cob and deep, well formed, yellow kernels. It not only produces large crops of corn of the highest grade, but it also is valuable for fodder and ensilage. Large dairymen who have tried this corn say it is the best variety they can raise for ensilage. It produces immense crops of stalks of the best quality, being leafy and not too coarse. The ears mature early so that the corn can be cut before danger of frost. This will be found a better variety than Leaming for ensilage in New York and New England as it matures earlier.

Those who want an early Yellow Dent corn that is well bred and very prolific will find the Golden Surprise a most satisfactory variety. The seed we offer is exceptionally fine, being of a carefully bred strain and of perfect germination.

Pk. \$1.25c; bu. \$4.75; 2 bu. or more at \$4.50.

**White Cap Yellow Dent Corn.** This is one of the most prolific varieties of Dent corn grown. If you want to raise good corn and lots of it plant the White Cap. The corn is yellow with a white tip or "cap" to each kernel, so that the ears look white on the outside, but the corn when shelled is light yellow and very handsome. The ears are of good length (about 10 inches), large around, with 16 to 18 rows, and filled out to the tips.

It will mature in some of the southern counties of this state and anywhere in Pennsylvania, Ohio and lower Michigan. The seed we offer was grown for us in northern Ohio and is of a fine, pure strain.

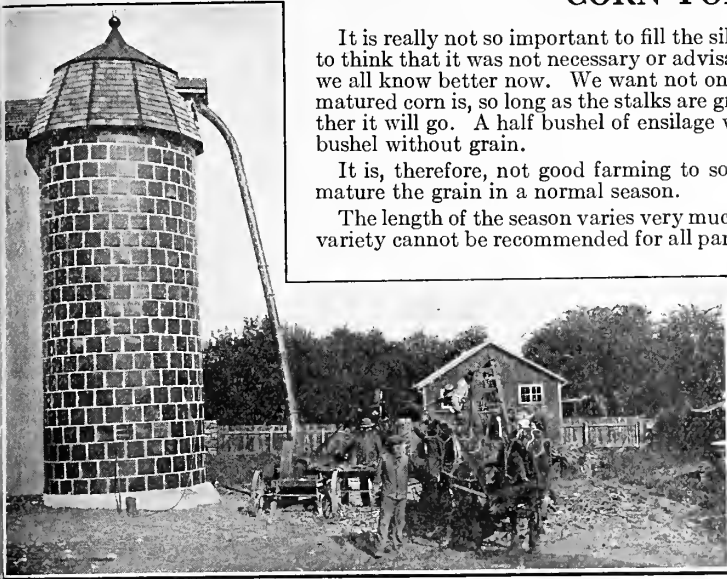
The seed we offer is from the very finest ears only. Pk. \$1.25; bu. \$4.50; 2 bu. or more at \$4.25 per bu.

Mr. Harry S. Chapin, Berkshire County, Mass., writes:

*"I have had great luck with your White Dent Corn for ensilage, as it grows from 12 to 14 feet high and ears are fine."*

**Improved Early Leaming.** This is one of the best yellow Dent varieties, both for grain and fodder. It is medium early and ripens well in some parts of this state, although it is not a safe variety to raise north of Pennsylvania. The ears are large, with very deep, bright yellow kernels. The cob is small. The stalks grow to a medium height, and often produce two large ears, and make first-class fodder. This corn succeeds well on nearly all soils and will produce large crops of high grade, deep yellow corn. This is one of the best varieties to sow for fodder and ensilage, as well as for grain. We offer some very choice seed of a thoroughbred strain, grown for us in northern Ohio. It is a week or ten days earlier than Leaming grown in Iowa and Illinois. Seed from the very finest ears only. Pk. \$1.20; bu. \$4.25; 2 bu. or more at \$4.00 per bu. Price subject to change. Please write for price if a considerable quantity is needed.

## CORN FOR THE SILO



Filling a Silo at Moreton Farm

It is really not so important to fill the silo as it is to put in the right stuff. People used to think that it was not necessary or advisable to have ears on the stalks put in a silo, but we all know better now. We want not only lots of ears but want them ripe. The more matured corn is, so long as the stalks are green, the better will be the ensilage and the farther it will go. A half bushel of ensilage with matured grain in it is worth as much as a bushel without grain.

It is, therefore, not good farming to sow a variety of corn for ensilage that will not mature the grain in a normal season.

The length of the season varies very much in different localities in the same state, so one variety cannot be recommended for all parts of the same state. All we can do is to tell as nearly as we can the time it takes different varieties to mature, so anyone can choose the kind best suited to his locality. The point is to get a variety that will produce the largest yield and at the same time be early enough to mature the grain before frost. The earlier the corn the smaller the stalks, as a rule, so it is well to use as late a kind as is safe, but do not run too much risk, better have a little smaller yield than to get caught by frost before the corn is matured.

## THE SEED IS IMPORTANT

Many people buy seed for ensilage corn of the local dealer who has no means of testing it and who buys it where he can get it at the lowest price. Varieties are usually badly mixed and the date of maturity is uncertain, while a good many find after planting the corn that it is of poor vitality, resulting in a thin stand and a small yield.

It may cost a little more to get Harris' seed corn, but when you get it you can depend on it coming up and producing the kind of corn you ordered.

Every lot of corn we sell is tested for germination, and the result of the test is marked on the label, so there is no guess work about it.

The following are excellent varieties for ensilage. They are given in the order in which they mature—the earliest first and the later last:

Mr. A. M. Davis, Norwich, N. Y., writes April 15, 1916:

*"I have ordered Gold Nugget corn from you three years and have had the best ensilage I ever raised. It has been all good seed and about every kernel grew."*

Mr. A. J. Richtmyer, Chenango Co., N. Y., writes:

*"The Gold Nugget corn I got of you last year was the best corn I ever raised. Filled my silo and refilled, and husked 250 bushels of ears."*

**HARRIS' MAMMOTH YELLOW FLINT.** This is an extremely early corn the stalks are valuable for ensilage in the most northern districts. The stalks grow 7 feet tall and produce an abundance of ears that mature the first part of September when planted the last of May. See price page 55.

**DAVIS' EARLY HURON.** A very early Dent corn that will mature for the silo in places where the seasons are very short. It is as early as the Yellow Flint corn described above, and the stalks grow taller, but we do not think it produces quite so many ears. We highly recommend this corn where a very early kind is required. Special grade for ensilage. Bu. \$4.75; 2 bu. or more at \$4.65 per bu.

**HALL'S GOLD NUGGET.** A little later than the two kinds named above, but both the stalks and ears are larger and the yield greater. A grand variety for places where corn can be planted by May 25th and not cut before the middle of September. The ears are so large that the percentage of grain in the ensilage is very high. See page 55. Bu. \$4.75; bag of 2 bu. \$9.00.

**SANFORD WHITE FLINT.** The stalks grow tall and the ears are of good size and mature about the same time as Gold Nugget, but are not so large. We offer choice northern grown seed. Bu. \$5.50; 2 bu. or more \$5.25 per bu.

**PRIDE OF THE NORTH.** Makes medium size stalks and ears, and matures later than Gold Nugget, and a few days earlier than Leaming, but the stalks and ears are not so large. Bu. \$4.50; 2 bu. or more at \$4.40 per bu.

**EARLY GOLDEN SURPRISE.** Makes a very large growth of stalks and produces good size ears and matures medium early—a little before Leaming. See page 56.

**WHITE CAP YELLOW DENT.** An excellent medium-early kind, fully as early as Leaming, and makes a little taller stalks but the ears are perhaps not so large. This corn is a very vigorous grower and will produce a good crop on rather poor soil, where other kinds would not grow well. See price page 56.

**LEAMING, Improved Early Strain.** Produces very large leafy stalks and big ears. Our improved early strain grown in northern Ohio matures a week earlier than corn grown in Iowa and Nebraska and is much better for the eastern states. This strain of Leaming will ripen the ears dry and hard in western New York in a favorable season. It is one of the very best kinds for ensilage in locality or farther south. See price, page 56.

**CUBAN GIANT.** This variety will produce immense crops of fodder as the stalks grow 10 to 12 feet high and are covered with leaves. It is, however, rather late for the northeastern states if matured grain is desired. In a favorable season the ears will mature well, but other times they are quite soft when it is time to cut. For places with longer seasons we know of no other corn that will produce heavier crops of grain and fodder. Pk. \$1.10; bu. \$4.00; bag of 2 bushels \$7.50.

**EUREKA.** We put this corn last because it is the latest variety. The stalks grow very tall and produce wonderful crops of fodder, but it is so late that often no ears at all are produced when grown in the North. If a man wants to fill his silo with stalks the Eureka will do it, but there will be no grain in the ensilage unless grown south of Pennsylvania. We offer some true seed grown in Virginia which is as far north as it is possible to raise matured seed of this variety. Pk. \$1.10; bu. \$4.50; 2 bu. or more at \$4.25 per bu.

**Sweet Corn for Fodder.** It is well known that fodder grown from sweet corn is richer, sweeter, and more tender than that grown from common corn. The best sweet corn for the purpose is Stowell's Evergreen. If the stalks are cut while green cows will eat them up clean with hardly any waste. There are varieties of corn sold for fodder called "Evergreen," but they are not sweet corn, and do not produce good fodder. What we offer is genuine Stowell's Evergreen Sweet Corn. In raising this variety for seed there are, of course, many ears that are too small, not well filled, or true to type, which have to be rejected from our selected seed corn. All of this that will germinate well is what we offer for raising fodder. Please write for price.

**SOW SOY BEANS with Your Ensilage Corn.** See next page.



# SEEDS OF FORAGE PLANTS, ETC.

There are many plants suitable for forage and soiling that ought to be better known than they are. They are of great value both for stock feeding and improving worn-out soil.

All prices quoted here are subject to market changes. We shall be glad to quote prices by letter on any seeds required.

## SOY BEANS

The Soy bean is a most valuable plant for feeding stock. The vines can be cut and used as hay, or they may be left until the beans are ripe and fed without threshing. A good variety will yield 2 or 3 tons of hay and 20 bushels of grain per acre, and the cost of raising the crop is very small. The seed is usually drilled in rows about 28 inches apart and the crop cultivated two or three times before the vines cover the ground. Sown in this way it requires about  $\frac{3}{4}$  bushel of seed per acre. The crop can be cut with a mower and handled like clover or alfalfa. Both the hay and grain make most excellent food for cattle, sheep and horses; cows give more milk and sheep fatten better on Soy beans than any other kind.

**FOR THE SILO.** It has been found that Soy beans cut as soon as the beans mature and mixed with corn fodder make very rich ensilage, far superior to corn alone, as the Soy bean contains a high percentage of protein which is lacking in corn. The beans can be sown with corn and cut at the same time.

**FOR PLOWING UNDER.** Acrop of Soy beans plowed under in the fall adds a large amount of fertility to the soil, both in the way of nitrogen and humus. This bean is now being largely used for this purpose to restore worn-out soil. Sow in drills 15 to 20 inches apart, using about 1 bushel of seed per acre.

For full information about Soy beans, culture, etc., write to the U. S. Department of Agriculture, Washington, D. C., for Farmers Bulletin No. 372 (Free).

**Medium Early Green Soy Bean.** For the northern states it is important to use a variety of Soy beans that will mature before frost. The large Southern Yellow or Mammoth Soy Bean will not mature north of Virginia. The Medium Early Green will mature here in New York State and yield immense crops. This is the best variety we know of for both hay and grain. The plants grow upright so they can be easily cut with a mower and the leaves do not drop off as quickly as some varieties. This variety has proved to be the heaviest producer of both grain and forage of any early kind suitable for the northern states. Qt. 25c; pk. \$1.70; bu. \$6.25; bag of 2 bu. \$6.00 per bu.

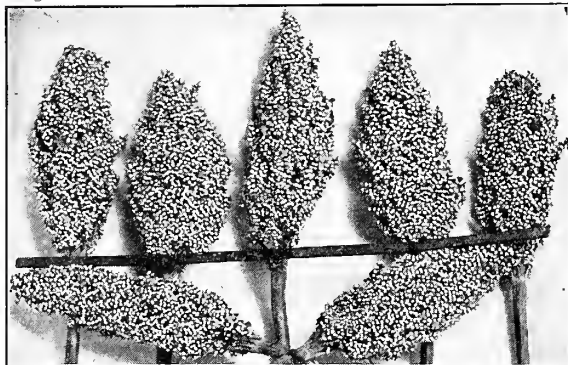
**Mammoth Yellow Soy.** This variety will not mature seed in the North, but makes a large growth of forage and is used for hay and to plow under to improve the soil. Qt. 30c; pk. \$1.40; bu. \$5.00.

## FETERITA

This new grain belongs to the class of non-saccharine sorghums among which Kaffir corn and Milo Maise are the best known.

Feterita is grown like Kaffir corn but ripens the grain 3 to 4 weeks earlier.

The stalks grow 6 feet high, branching from the roots, and produce numerous large heads of grain, as shown below.



Feterita

The grain is a little smaller than Kaffir corn and is excellent for chickens or any stock.

Feterita can be easily grown by drilling the seed in rows 3 feet apart and thinning to 6 inches apart in the rows. It will grow on land too dry for corn and will make big yields of both grain and fodder, even if there is very little rain.

The fodder is much finer than corn stalks and is readily eaten by stock.

The grain and fodder are usually fed together, but if it is desired to thresh the grain it can be done with a threshing machine by removing part of the concaves.

For grain sow 5 lbs. (3 qts.) seed per acre. For fodder sow  $\frac{1}{2}$  bu. (28 lbs.) per acre in rows or broadcast.

Trial pkt. (2 oz.) 10c; lb. 20c; 5 lbs. or more at 15c per lb. (A bushel weighs 50 lbs.)

## DWARF ESSEX RAPE

The Best Crop for Sheep and Hogs

Rape is a plant belonging to the cabbage family. It produces a mass of broad, smooth leaves which are greatly relished by sheep and hogs. It can be pastured off and when stock is removed, if not eaten too close, it will grow up again and give a second crop.

It does best on rather moist land, but will do well on any good soil. The seed is usually sown broadcast with a grass seed sower, using about 5 pounds or  $2\frac{1}{2}$  quarts per acre. It does best if sown from the first to the middle of August. It can be sown broadcast on corn ground after the last cultivating and will make good pasture after the corn is removed.

**DWARF ESSEX RAPE**, the best variety. 20c per lb.; 10 lbs. for \$1.75; 25 lbs. or more at 16c per lb.

## SORGHUM



Early Amber Sorghum

When grown for fodder or hay sorghum is sown with a grain drill, using about 1 bushel of seed per acre. It can be cut with a binder or mower. It will cure in the field and can be fed as wanted. It makes excellent feed for late summer when pastures get short. Sow first half of June and harvest in August. It will yield 6 to 8 tons per acre.

**EARLY AMBER.** This is considered the best early variety of sorghum for fodder in the northern states, and for grain or syrup in the South. Lb. 15c; pk. \$1.25; bu. (50 lbs.) \$4.25; 2 bu. or more at \$4.00 per bu.

## SUNFLOWER

Sunflower seed is quite extensively grown for feeding purposes. The seed should be sown in rows  $3\frac{1}{2}$  feet apart and plants thinned to a foot apart in the rows. Treat the same as corn.

**MAMMOTH RUSSIAN.** This is the variety commonly used to produce seed. The heads are often one foot across, and are filled with stripped seeds, which make most excellent food for hens. Pkt. 5c; oz. 8c; lb. 15c; 5 lbs. or more at 12c per lb.

## CANADA FIELD PEAS

These peas are grown principally for their vines which make hay equal to the best clover hay. They are usually sown with oats and cut when the oats head out, but before the grain is ripe. If anyone is likely to be short of hay he will do well to sow a few acres of oats and peas. We have used this hay for sheep, horses and cows with the best results.

It is as easily cured as clover and will yield large crops. We usually sow  $1\frac{1}{2}$  bushels of peas and 1 bushel of oats per acre. Sow early in the spring. Price will be quoted by letter. At present prices it hardly pays to use these peas for hay or a cover crop.

**Bu. (60 lbs.) about \$5.50.**

## COW PEAS

This is really a bean and is used for both hay and for plowing under.

**WHIPPOORWILL.** The most popular variety. It produces a heavy growth of vines and is a rapid grower. The seed should be sown in June and the crop can be cut in August. Use about  $\frac{1}{2}$  bushel of seed per acre in drills 28 inches apart. **Qt. 25c; pk. \$1.15; bu. \$4.25.** Price subject to change.

## SUDAN GRASS

This new Millet was introduced by the U. S. Department of Agriculture a few years ago. It came from the Sudan, South Africa. It has proved to be a valuable plant for hay and ensilage. It belongs to the Sorghum family, but is much finer than common sorghum and at the same time yields more.

If left to mature this "grass" grows from 6 to 8 feet tall, but if cut when about half grown two cuttings can be obtained and the hay is of excellent quality. It is also said by government authorities to be one of the best ensilage crops known.

We have had but little experience with this new plant, but from what we have seen of it in our trial grounds we should strongly advise everyone interested in forage crops to try some of it.

The Sudan grass does best on dry, medium light soil. It can be sown broadcast, but does better if drilled in rows 18 to 20 inches apart and cultivated two or three times. Use at the rate of 4 to 5 pounds of seed per acre.

The seed should be sown about the time corn is planted in your locality.

**PRICE OF SEED.** Trial pkt. 10c; 1b. 35c; 5 lbs. or more at 25c per lb.

## JAPANESE MILLET

(*Panicum Crus-Galli*)



This is one of the largest varieties of millet. It grows so strong that the stalks look like small corn fodder. Very large crops can be raised, nearly double that of common millet. The hay is relished by horses, cows and sheep. Even when allowed to ripen its seed, the hay after the seed is threshed out is readily eaten by stock, there being no waste as in the case of corn stalks.

The millet should be sown about the same time corn is planted. It is usually sown broadcast at the rate of about 10 or 12 quarts (or an equal number of pounds) per acre. It is cut when it heads out, and before the seed ripens. It does best on sandy loam or medium light soil. We offer some extra fine, pure seed. **Lb. 15c; pk. 65c; bu. (35 lbs.) \$2.40; 2 bu. or more at \$2.25 per bu.**

**German or Golden Millet.** Makes a good heavy growth of hay that is suitable for cattle. Can be sown in July and makes a good crop before fall. Use 3 pecks of seed per acre.

**Price, about \$3.00 per bu., subject to market changes.**

**Hungarian.** This millet matures a week or so earlier than Golden Millet, and makes finer hay of better quality. **Price, about \$3.85 per bu.** Lowest market price will be quoted by letter at any time.



Photograph of Sudan Grass Growing on Moreton Farm

## HAIRY OR SAND VETCH

(*Vicia villosa*)

Hairy Vetch is a trailing plant of the pea family growing 3 to 4 feet or more in length and having very fine dark green leaves and small stems. It makes excellent hay, but is most largely used as a cover crop. Being a legume it has the power to extract nitrogen from the air, so a crop of vetches actually adds much fertility to the soil as well as a large quantity of humus.

Vetches are largely used for sowing in orchards and on any land that is available before the middle of September. The best time to sow is the middle of August to the first of September. Whether to be used for hay or for plowing under, it is best to mix the vetch seed with rye, using about 2 or 3 pecks of rye and 30 to 45 pounds ( $\frac{1}{2}$  to  $\frac{3}{4}$  bushel) of vetches per acre. It is best to drill the seed in, but it may be sown broadcast if well covered. The rye helps to support the vetch vines and makes them easier to mow or plow under. On fairly good soil the vetches will make a great growth, forming a perfect mat of vegetation two feet deep.

**SOW WITH OATS.** Many people are now sowing Hairy Vetches with oats in the spring. The vetches do not grow much until the oats are cut when they spring up and cover the ground. This is an excellent plan where winter wheat is not sown after oats, as the vetch adds greatly to the fertility of the soil when plowed under the following spring. This is an ideal way to prepare land for corn or potatoes. The vetch seed should be mixed with the oats, using about 5 pounds vetch to each bushel of oats and sow  $2\frac{1}{2}$  to 3 bushels per acre.

The seed we offer is of very high quality. It is 99 per cent pure and germinates 90 per cent or better. There can be no better seed than this. Owing to the war in Europe the price of vetches has advanced and may go much higher. The prices here quoted are subject to change.

**HAIRY VETCH.** **Pk. (15 lbs.) \$3.00; bu. (60 lbs.) \$11.50; 100 lbs. \$19.00.** Write us for special price on large lots, stating about the quantity required.

**Spring Vetch.** (*Vicia sativa*.) This variety is similar to the above but has larger leaves and is not hardy enough to stand the winter in the North, and we do not advise it for fall sowing, except in the South, where it is largely grown. It is often called "Winter Vetch" in the South. **10 lbs. \$1.00; 25 lbs. or more at 9c per lb.**



# GRASS AND CLOVER SEEDS

We sell only the highest grades of grass seeds. They are practically pure and are all tested for germination before we send them out.

If you want this kind of seed write us for sample and prices. You can get seed of ordinary quality at the corner store.

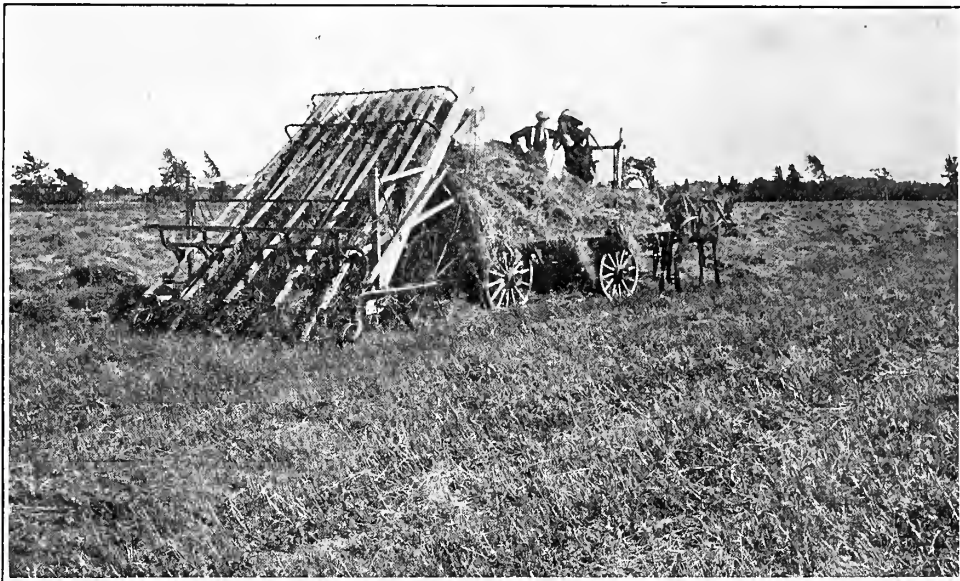
The prices quoted below are for the seeds delivered to railroad or express companies here, the purchaser to pay freight or express charges.

If seed is to be sent by mail add the necessary amount for postage. See rates page 6.

Please write us for samples and prices when ready to buy grass seeds, stating what will be needed.

**Good Seed Is the Cheapest.** Good pure seed of clover, timothy or other grasses costs more per bushel than low-grade seeds, but when you come to figure it out the high-grade seed is the cheapest. Take for example this case. If clover seed is 99.5 per cent pure and germinates 98 per cent and sells for \$18.00 per bushel there would be 58½ pounds of good live seeds in a bushel which would cost 30¼¢ per pound.

If, on the other hand, seed that is 97 per cent pure and germinates 80 per cent costs \$16.00 per bushel, there would be 46.2 pounds of good seed which would cost 34½¢ per pound.



**Alfalfa.** We need not say that every farm should have a field of alfalfa. Everyone knows it. Nevertheless, a good many farms are still without alfalfa simply because it is a little extra work to get a field started. But it is really no more work to seed land with alfalfa than to put in oats, and the oats has to be sown every year, while alfalfa will last for 8 or 10 years. We feed 15 horses on alfalfa the year around. They get no other hay. We find that a ton of alfalfa will keep a horse in much better condition for 150 days than a ton of timothy will for 100 days, and the alfalfa costs less. If you must raise timothy, sell it and buy alfalfa. Your farm will be richer and your stock will do better and you will have more money.

**GET NORTHERN GROWN SEED.** For the northern states it is important to use alfalfa seed that is of a hardy strain. There is no better proof that a strain is hardy than that it was grown in Montana or North Dakota where the winters are very severe, the ground freezing 6 to 8 feet deep. Alfalfa seed raised under these conditions must be of the hardest strain and will stand the most trying conditions to be met with anywhere. There is a large amount of alfalfa seed grown in Kansas, Nebraska and Utah and farther south. This seed looks larger and plumper than the northern grown and can be bought at a considerably lower price. If good looking alfalfa seed is offered at a low price it is almost surely southern grown, or contains dodger.

**CULTURE OF ALFALFA.** The seed may be sown either in the spring or in August. The ground should be very thoroughly prepared and should receive a dressing of about 1000 pounds lime per acre. Sow 15 to 25 pounds of seed per acre, depending on the quality of seed and how well the land is prepared. For August seeding plow the land early, (this is important), and keep it well worked and free from weeds until the seed is sown. If no alfalfa has ever been grown on the land before it is advisable to inoculate the seed with the bacteria which is necessary to this plant. See "Mulford Cultures" described on page 62. For spring seeding prepare the land as for oats or barley and drill in about 1 bushel barley or early oats per acre, sowing the alfalfa on the drilled land and roll it if dry. Cut the barley for hay when it heads out and before it gets ripe.

We have known excellent results from seeding in corn just after last cultivation. Scatter seed broadcast from horseback. Good catches are often obtained by sowing alfalfa seed on winter wheat very early in the spring.

**Montana Alfalfa Seed,** (99.80 per cent pure). We have procured a nice lot of very choice alfalfa seed grown in Montana. This lot of seed is exceptionally fine for northern grown seed; it is 99.80 per cent pure; that is in 1000 seeds there is only 1 weed seed. Much of the seed sold is only 98 per cent pure. Such seed would contain 20 weed seeds per 1000, or twenty times as many as the seed we offer. This northern grown seed is much safer to use in the North than seed grown farther south. Alfalfa from southern grown seed is apt to winter-kill the first season. It does not pay to run the risk for the sake of saving a dollar or two on the seed. Price. Lb. 35c; pk. (15 lbs.) \$3.80; bu. (60 lbs.) \$14.50.

**GRIMM ALFALFA.** A great deal is said nowadays about the so-called Grimm Alfalfa. It is supposed to be a variety having shorter and more branching roots and these less likely to be thrown out of the ground by frost. To see if there was any advantage in the Grimm variety for the eastern states we procured in 1914 some seed from the original introducer in Minnesota and sowed it on half a field using our regular Montana seed of the common variety on the other half. As far as we can see there is absolutely no difference in the two sides of the field. No one could tell without referring to the stakes where one left off or the other commenced. Possibly for some localities the Grimm may have some advantages, but we cannot recommend it from our own experience. For those who wish to try the variety we offer some seed procured from a very reliable grower in Minnesota. Price. Single lb. 75c; 10 lbs. or more at 65c per lb.

**ALSIKE CLOVER.** Grows well on low, wet land, where Red Clover will not do well. For heavy or wet land it is a good plan to mix Alsike and Red Clover, using about half as much Alsike as Red. There is a great difference in grades of this seed. Low grades contain as much as 50 per cent impurities and dead seed. Sow 3 to 5 quarts or 6 to 10 pounds seed per acre. The seed we offer is 99.60 per cent pure. Lb. 30c; pk. (15 lbs.) \$4.50; bu. about \$16.50. Please write us for prices when ready to buy.

**CRIMSON CLOVER.** Used very extensively for plowing under to enrich the land and as a cover crop. It is usually sown in August, and will make a good growth before winter. Should be sown on all bare pieces of ground in August and September. Extra fine seed. Pk. \$3.50. Bushel price on application.

**RED CLOVER, Medium.** This is the common Red Clover so extensively grown. We can furnish the highest grade of seed free from dodder, and over 99.70 per cent pure. We shall be glad to send sample and quote lowest possible price at any time. This high grade seed costs but little more than seed of ordinary quality and is worth very much more. Sow 4 to 6 qts. or 8 to 12 pounds Clover seed per acre. If the seed is of high quality this is enough. **Lb. 40c; pk. about \$5.00; bu. about \$19.00.**

**RED CLOVER, Mammoth.** Also called "Pea Vine" Clover. This variety grows larger and coarser than the Medium and is not as valuable for hay. Most dealers sell Medium and Mammoth Red Clover seed out of the same bag, so it is rather difficult to get any pure seed of the Mammoth. We buy only seed that is guaranteed by the grower to be pure and genuine Mammoth, the price of which will be quoted by letter at any time. **Pk. about \$5.25; bu. about \$20.00.**

**TIMOTHY.** One of the most valuable grasses for hay and pasture. Sow 6 quarts or 9 pounds of seed per acre. We can furnish choicest re-cleaned seed at the market price. Please write us for sample and price, stating about how much seed will be needed. **Pk. \$1.25; bu. \$4.50.** Price variable.

**NOTE.** The prices quoted above for Clover and Timothy seed are about what the seed is worth now (January 1, 1917). The market price of seed may change very much before spring. Please write for samples and prices when you are ready to buy. Our prices are always low for the high quality of seed we handle.

**WHITE CLOVER.** Used principally for lawns and sheep pasture. **Per lb. 65c; 10 lbs. or more at 60c per lb.**

**SWEET CLOVER, White Flowers.** This clover will grow on rough, poor land where other grasses fail. We offer the true white flower variety. The culture is the same as for alfalfa. Hulled and scarified seed. It is important to get scarified seed as seed that has not been so treated will not germinate for a long time, often lying in the soil until the following year before sprouting. **Lb. 35c; pk. (15 lbs.) \$4.75; bu. (60 lbs.) \$18.00.**

**BROMUS INERMIS, or Awnless Brome Grass.** A good grass for dry climates. Will make a strong growth on land too dry for other

grasses to grow. Highest grade seed. **Per lb. 25c; 10 lbs. at 20c per lb.; 50 lbs. or more at 19c per lb.**

**ENGLISH PERENNIAL RYE GRASS.** A desirable grass for pasture. It forms a heavy close sod and grows up quickly after being eaten or cut off. **Per lb. 15c; bu. (24 lbs.) \$2.40; \$9.50 per 100 lbs.**

**KENTUCKY BLUE GRASS.** One of the best grasses for pasture and lawns. Does not grow tall enough to make large yields of hay. **High grade seed 35c per lb.; bu. (14 lbs.) \$4.35; \$30.00 per 100 lbs.**

**CANADIAN BLUE GRASS.** A more rapid grower than Kentucky Blue Grass and equally good for pasture, but not as suitable for lawns. This is an excellent pasture grass for poor dry land and should be more largely used for this purpose. **Fancy high grade seed, 15c per lb.; bu. (14 lbs.) \$2.50; \$16.00 per 100 lbs.**

**MEADOW FESCUE, or English Blue Grass.** Of great value for permanent pasture and for hay. Does best on strong land. Grows 2 feet high. Makes a finer and better quality of hay than Orchard grass. Sow 25 to 30 pounds per acre. **Per lb. 28c; 10 lbs. or more at 25c per lb.; \$24.00 per 100 lbs.**

**SHEEP FESCUE.** Makes a close, fine sod and is especially valuable for pasture on dry land. Also suitable for lawns. **Per lb. 35c; 10 lbs. or more at 33c per lb.**

**RED FESCUE.** A valuable grass for dry land pasture. Roots go deep into the ground so it keeps green in dry weather. **Per lb. 45c; 10 lbs. or more at 40c per lb.**

**TALL MEADOW OAT GRASS.** A valuable grass for meadows and pasture. Does best on rather light soil but will grow well on heavier land. Starts very early in the spring and makes a rapid growth, and on this account should be included in all mixtures for pasture and hay on light soil. **Per lb. 30c; \$26.00 per 100 lbs.** Price variable.

**ORCHARD GRASS.** A strong growing, rather coarse grass, good for pasture and hay. Starts very early in the spring. Highest grade seed. **35c per lb.; bu. (14 lbs.) \$4.25.**

**RED TOP.** Valuable for low land, as it is not injured by water. Grows 2 to 3 feet high, and makes very good hay. Finest re-cleaned seed (weighing 32 pounds per bushel). **Lb. 25c; 10 lbs. or more at 17c per lb.; \$16.00 per 100 lbs.** Unhulled seed (that is seed in chaff) **per bu. of 14 lbs. \$1.60; \$10.00 per 100 lbs.** Price variable. Write for samples and price when ready to buy.

## MIXED GRASSES for PASTURE AND HAY

The usual custom of sowing timothy and red clover for hay is all right when the land is to be left in grass only a year or two. If to be left longer some other grasses should be used, as red clover soon dies out and timothy does not afford a good second growth for pasturage after the hay is cut.

When the land is to be pastured and not cut for hay, other kinds of grasses should be used, as those which produce the best crops of hay are not as well adapted for pasture as some other kinds which make a thick, close turf. Much better results could be obtained if people would use the kinds of grasses best suited to the purpose for which they are raised instead of using the same kinds for all purposes and all soils.

With these ideas in view we have made up mixtures of seeds of various grasses best suited to produce hay, and others to make permanent pasture. The seeds used are all of the **very highest quality** in every case.

The seed may be sown in the spring or in August or September. The quantity required for an acre depends on how well the soil is fitted and how rich it is. Poor land half fitted requires more seed than rich soil well prepared. For average conditions we recommend 25 to 30 pounds of seed per acre.

### MIXTURES FOR PERMANENT PASTURE

To get a really good pasture that will last for many years it is necessary to sow grasses that will form a close, heavy turf and such as are not injured by close cropping and tramping of the animals. There are many grasses of this kind, some adapted to moist soil and others to high and dry land. Some start early in the spring and others continue growing late in the fall, so a considerable number of different kinds should be used.

We have made two different mixtures for pasture according to advice of best authorities on the subject. One

mixture is for land that is low and moist and the other contains grasses that succeed on high, dry soil.

The cost of using these grass seeds is more than to use timothy and other common kinds, but the results are so much better that it will pay to go to the extra expense of using the right kinds when seeding land that is to remain in pasture for at least four or five years.

**MIXTURE No. 1, for dry soil.** Composed of grasses best suited to make good pasture all through the season on dry soil. This mixture contains clover seeds (white and alsike) which should be omitted when sown in the fall later than the middle of August. We advise using 25 to 30 pounds of this mixture per acre. **30c per lb; \$28.00 per 100 lbs.**

**MIXTURE No. 2, for moist and heavy land.** The grasses in this mixture do best on strong, heavy and moist soil, and most of them will stand being flooded with water part of time. Sow 25 lbs. per acre. **25c per lb.; \$23.50 per 100 lbs.**

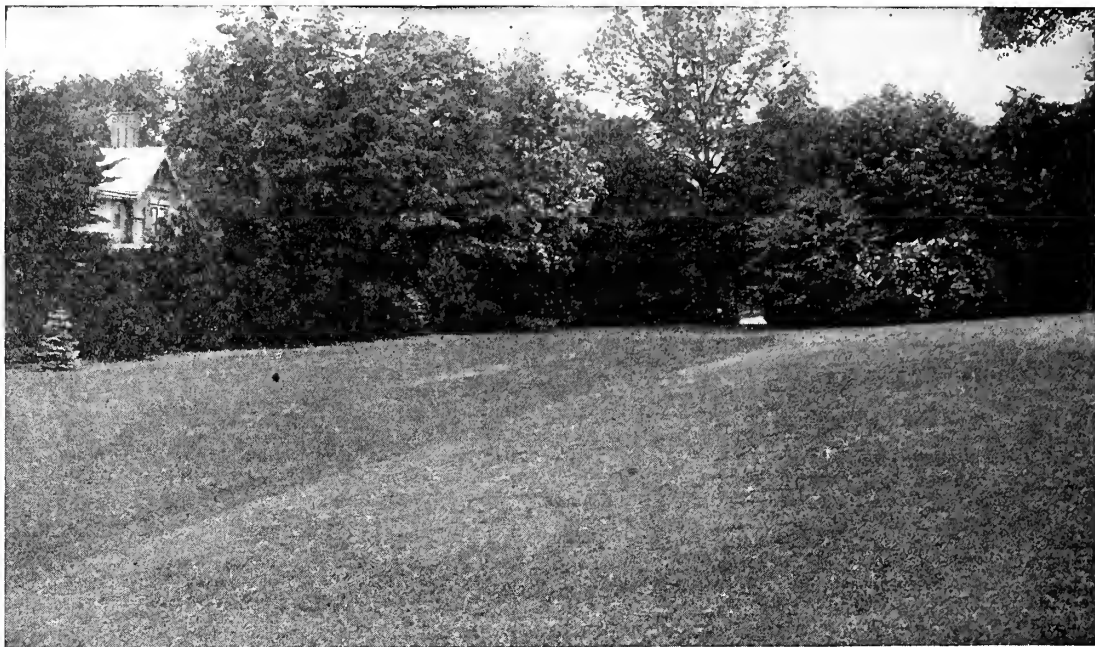
### MIXTURES FOR HAY

These mixtures are composed of such grasses as Meadow Fescue, Tall Meadow Oat Grass, English Rye Grass and other kinds that produce large crops of good hay and make a quick, strong growth after cutting and which can be pastured or cut again. These grasses will last for many years and give good crops if properly fertilized. Use 30 pounds of seed per acre.

**MIXTURE No. 3. For high and dry soil.** Medium and light. **25c per lb.; \$23.50 per 100 lbs.**

**MIXTURE No. 4. For moist, heavy and strong land.** **26c per lb.; \$24.50 per 100 lbs.**





**HARRIS' LAWN GRASS SEED.** This mixture of grass seeds is composed of such kinds as make the closest and finest turf and which stand hot and dry weather best. These grasses will make a quick growth and cover the ground within a few weeks after sowing and form a permanent rich green turf. This mixture contains white clover which is one of the very best grasses to stand hot, dry weather, and will keep green through long periods of drought when other grasses turn brown if not constantly watered. **If the clover is not wanted** please so note on the order and it will be omitted. For renewing old lawns it is a good plan to stir the ground thoroughly with a rake or harrow so as to destroy moss and small weeds. Sow the seed, using about half the quantity as for first seeding, and roll the lawn.

**HARRIS' LAWN GRASS SEED.** Only the highest grade of seeds used in this mixture. Use about 1 pound or  $1\frac{1}{2}$  quarts for every 400 square feet of lawn. That is  $\frac{1}{4}$  pound per 100 square feet.  $1\frac{1}{2}$  qts. (1 lb.) 40c; pk. (6 lbs.) \$2.00; bu. (24 lbs.) \$7.00.

**FOR SHADY LAWNS.** Although no grass will grow on land that is entirely shaded during the whole day, the grasses in this mixture will thrive in places where ordinary kinds would die in a few months after seeding. Lb. 70c; 5 lbs. or more at 65c per lb.

**INOCULATE YOUR ALFALFA, CLOVERS, COW PEAS, SOY BEANS, VETCHES AND ALL OTHER LEGUME CROPS WITH**

# Mulford Cultures

FOR LEGUMES

It has been found necessary in most cases where alfalfa, Soy beans and vetches have not before been grown on the land to inoculate it in some way with the bacteria necessary to the best development of these plants and other legumes. The easiest way to do this is to inoculate the seed before sowing with pure cultures of the bacteria suited to the particular kind of plant.

Small Cost  
Easy to Use

Large Returns  
No Labor Expense

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria for inoculating seeds of legumes or soil.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and wornout fields. They add both humus and nitrogen to the soil and thus increase the yield of wheat, corn and other non-legume crops.

The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitrogen-fixing bacteria to induce a prompt "catch" and increase the yield.

Mulford Cultures are prepared for

ALFALFA AND SWEET CLOVER	COW PEAS	GARDEN PEAS
RED CLOVER	SOY BEANS	GARDEN BEANS
ALSIKE CLOVER	VETCH	LIMA BEANS
		SWEET PEAS

We carry in stock cultures for Alfalfa, and Sweet Clover, Soy Beans, and Vetch. Others can be furnished in a few days, but their use is usually not necessary.

A trial package (enough for a small garden) of Mulford Culture for Garden Peas, Garden Beans, Lima Beans and Sweet Peas will be sent for 25c each.

Be sure to state the particular kind of plant on which you desire to use the Mulford Cultures, otherwise we will not know what culture to send you.

<b>PRICES!</b>	5-Acre size.....	\$5.00	("A Dollar per Acre")
	1-Acre size.....	\$1.50	
	Garden Size ( $\frac{1}{4}$ acre).....	.50	

These prices include delivery.



Uninoculated ALFALFA Inoculated  
Photographed on same scale. Plant on left not inoculated; plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical.

THE CONTRAST SPEAKS FOR ITSELF

# FLOWER SEEDS

## SOME SPECIALLY GOOD ANNUALS

We have selected a few of the very best **new** and **improved** varieties which are described in the next few pages. They are all "hardy annuals." That is, they can be raised in the open ground and will flower well in the Northern parts of the country. The seed is mostly of our raising and will be found far superior to the seed ordinarily sold.

### A NEW ASTER—MORETON PINK

(See colored picture on cover of this catalogue)

Every aster grower has long wanted a **deep pink** aster of good form and large size. The Crego Pink and Peerless Pink asters are good, but the color is not strong enough. When we saw a plant in one of our fields which had large beautifully formed flowers and a charming shade of soft deep pink we took great pains to save every seed. We supposed it would take a good many years to "fix" the variety, so it would "come true," but to our surprise the next year every plant from the seed saved produced flowers of the true color and form.

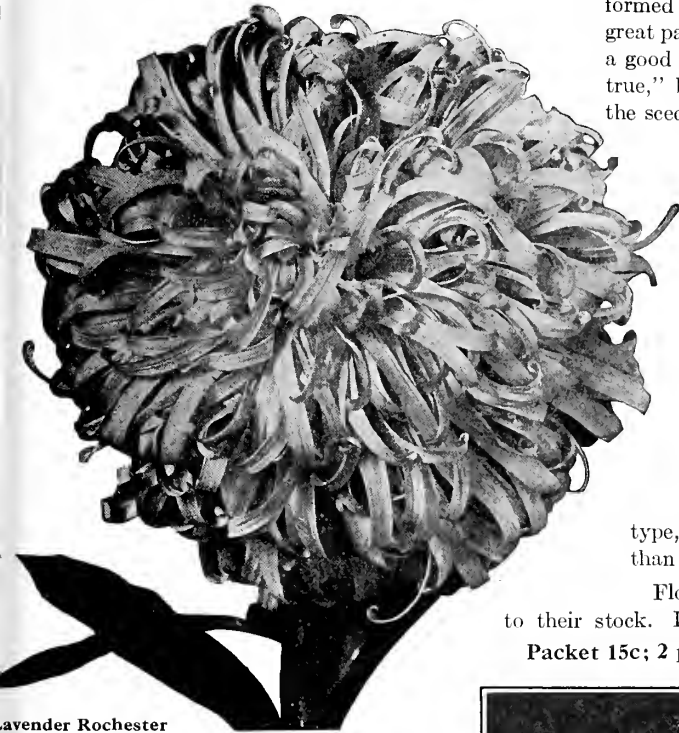
The next year it was the same. Out of 1000 plants only three were not perfectly true to color or form! This is a very unusual case, as it usually takes many years to "fix" a new variety so that it will "breed true."

The Moreton Pink is the first really fine deep pink aster. There are rose-colored asters, but this is not a rose color. It is a pink like Peerless Pink or Semple's Pink Branching asters, **but deeper, richer and more glowing.** It is impossible to reproduce in a printed picture the charming color of this flower as it appears when the light shines through the petals.

The plant is of the branching type and the stems when well grown are 18 in. to 2 feet or more in length. The flower is of the Rochester or Crego type, and blooms with these varieties, being earlier than the late Branching asters.

Florists will find this new aster a most valuable addition to their stock. It is a **new** color in asters and a most attractive one.

Packet 15c; 2 pkts. 25c;  $\frac{1}{8}$  oz. \$1.00.



lavender Rochester  
Aster

### ROCHESTER LAVENDER ASTER

By far the handsomest lavender aster we know of. The flowers are often 5 to 6 in. across and of very graceful form with long, narrow, twisted petals which form a deep, fluffy mass without any yellow centers.

The plants are of vigorous growth, branching habit and produce a great number of flowers on long stems. Every one should have some of these asters. Pkt. 10c;  $\frac{1}{8}$  oz. 50c.

### ROYAL WHITE

This is an early aster resembling the Late Branching White but blooms two or three weeks earlier. The plants come into bloom before any other of the large flowering class which makes the Royal valuable both for the home garden and for market. (See photograph of flower).



Aster—Royal White





Peerless Pink Aster

The flowers are of good size with broad incurved petals and have long, strong stems. The plant is of branching habit and quite vigorous. Pkt. 10c;  $\frac{1}{8}$  oz. 25c; oz. \$1.50.

### ROYAL PURPLE

Like the Royal White, except the flowers are of a deep rich purple and the plant is of more upright growth. Flowers early and is a very desirable purple aster. Pkt. 10c;  $\frac{1}{8}$  oz. 25c; oz. \$1.25.

### PEERLESS PINK

We regard this as one of the very best pink asters. The flowers are of very large size, of graceful form and carried on long stiff stems. The flowers are of good substance, so carry well when shipped or handled. The color is a soft delicate shade of pink, much like Semple's Pink Branching, but a little deeper. The flowers are also much like the Semple's but larger. Pkt. 10c;  $\frac{1}{8}$  oz. 25c; oz. \$1.75.

### SPECIAL OFFER Four Best Asters

We will send one packet of each of the following new asters for 30c. Moreton Pink, Royal White, Lavender Rochester, Peerless Pink.

For other asters, see page 71.

### CENTAUREA AMERICANA "BASKET FLOWER"

This is a flower what should be better known. Like all of the Centaureas it is very easily raised in the open ground.

The flowers are large, often 3 in. across and have long, strong stems so they stand 3 feet above the ground.

The colors are lavender and white.

Sow the seed in May and the plants will produce their large handsome flowers from July until hard freezing weather. Thin the plants to 18 inches apart.

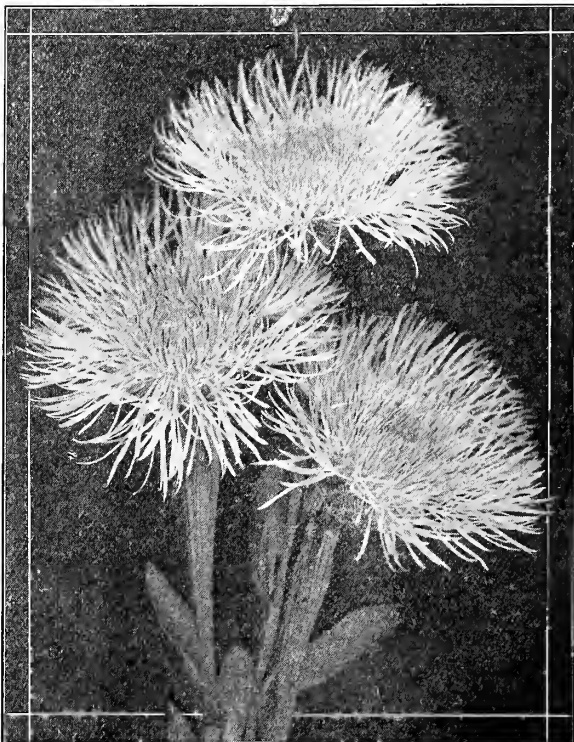
Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

### DOUBLE CORNFLOWER OR BACHELORS BUTTON (CENTAUREA CYANUS fl. pl.)

**DOUBLE BLUE.** These new double flowers are so much larger and handsomer than the old single variety that it might almost be considered another flower.

The attractive blue color of the flowers, and their graceful shape and long stems make them most useful in the garden and as cut flowers.

They bloom all summer and fall, and if a plant is taken up and set in a large pot it will bloom in the house all winter. The seed we offer was saved from the best double flowers only, and will produce nearly all double flowers of large size. This is an excellent flower for forcing for winter use or market. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.



Centaurea Americana



Double Cornflower, Mixed Colors

"Mammoth" varieties. Now by careful breeding we have produced a strain that has flowers as large as the late kinds, while they bloom two months earlier.

The colors range from pure white and light pink to deep red.

The plants grow four to five feet high and are covered with flowers from July to October. There is no more useful flower for decorating the house or to form a screen in the garden, as the plants when growing are very ornamental.

Sow the seed in May and thin out the plants to 1½ feet apart. They will soon form a dense hedge covered from top to bottom with bright colored flowers and delicate feather-like foliage.

Pkt. 5c; ¼ oz. 20c; oz. 60c.

## DOUBLE CORNFLOWER, MIXED COLORS

We are now able to offer the true double Cornflower in various colors, ranging from white to deep pink, lavender and blue. The flowers are practically all double and of very pretty colors. A most attractive flower that all should raise. Pkt. 10c; ¼ oz. 25c.

## GYPSOPHILA—BABY'S BREATH

The annual "Baby's Breath" is most attractive when used in vases with other flowers, adding a grace that many other flowers lack.

The plants grow two or three feet high and are covered with pretty little white flowers and very small fine leaves.

It is easily raised and should have a place in every garden. Sow the seeds in the open ground.

The variety we offer is "Elegans Alba Grandiflora" which is the tallest in growth and the most desirable of the annual sort. Pkt. 5c; oz. 20c.

## EARLY-FLOWERING GIANT COSMOS

We used to think we could not raise large flowered Cosmos in our short summers without great difficulty. But now we have a strain that produces immense flowers three inches across and commences to bloom in July when the seed is sown in the open ground in May.

The Early flowering Cosmos has been known for a good many years but the flowers were much smaller than the late or

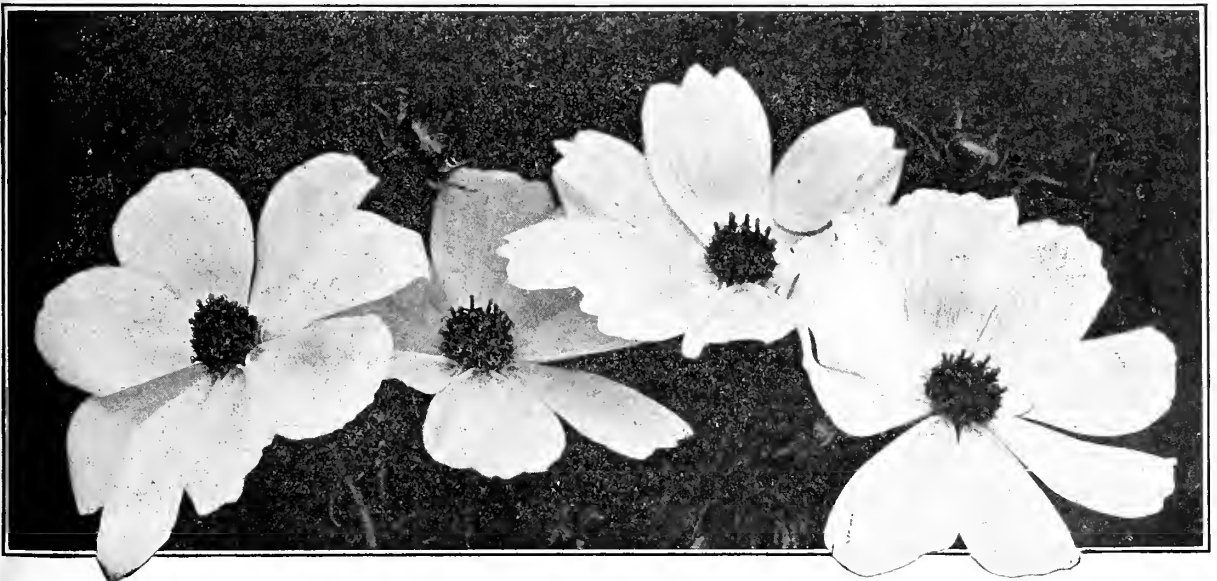
while they bloom two months earlier.

The colors range from pure white and light pink to deep red.

The plants grow four to five feet high and are covered with flowers from July to October. There is no more useful flower for decorating the house or to form a screen in the garden, as the plants when growing are very ornamental.

Sow the seed in May and thin out the plants to 1½ feet apart. They will soon form a dense hedge covered from top to bottom with bright colored flowers and delicate feather-like foliage.

Pkt. 5c; ¼ oz. 20c; oz. 60c.



Early-flowering Giant Cosmos





Snow on the Mountain

**"SNOW ON THE MOUNTAIN"***(Euphorbia variegata)*

A very ornamental plant for screens or borders. The leaves are bright green with a broad margin of white. A row of these plants is very pleasing and ornamental. The plants are about 2 feet high and grow very rapidly. Sow the seed in the spring in the open ground. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**NEW CALIFORNIA POPPY***(Eschscholtzia)*

**VESUVIUS.** Those who know the common yellow California Poppy will welcome this new variety with glowing copper-red flowers. The color is the same on both sides of the petals which give the flowers a very rich brilliant coloring. Pkt. 10c; 3 pkts. 25c.

**ANNUAL LARKSPUR OR DELPHINIUM**

Few people realize how easy it is to raise these beautiful Larkspurs and how very attractive they are in the garden and as cut flowers.

The tall Stock-flowered varieties grow three to four feet high with spikes of flowers over a foot long.

The flowers are large and double and of many shades of color; pure white, light blue, darby blue, pink and deep carmine.

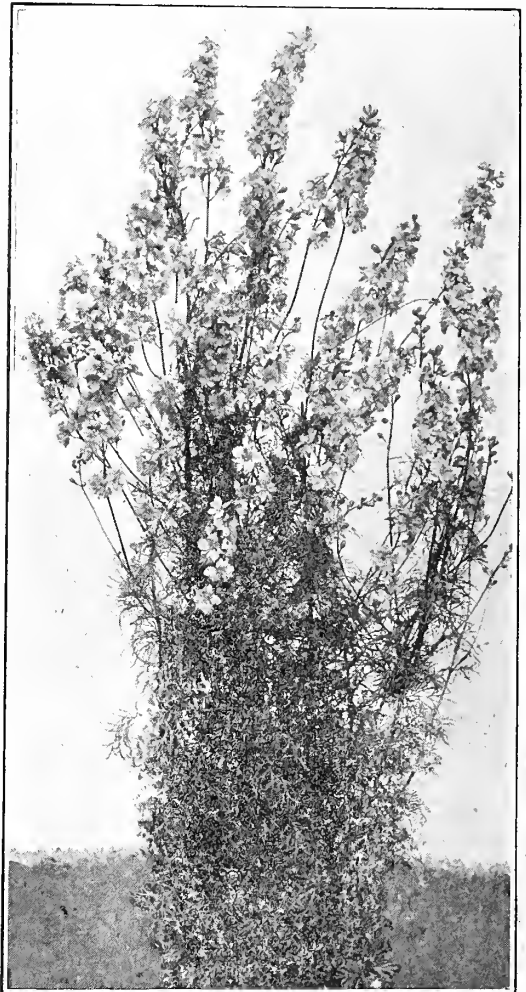
A row of these graceful plants with there many colored flowers is a pleasing sight. The plants are quite hardy and will continue to flower until snow flies.

The seed may be sown in the open ground in May and the plants thinned to a foot apart.

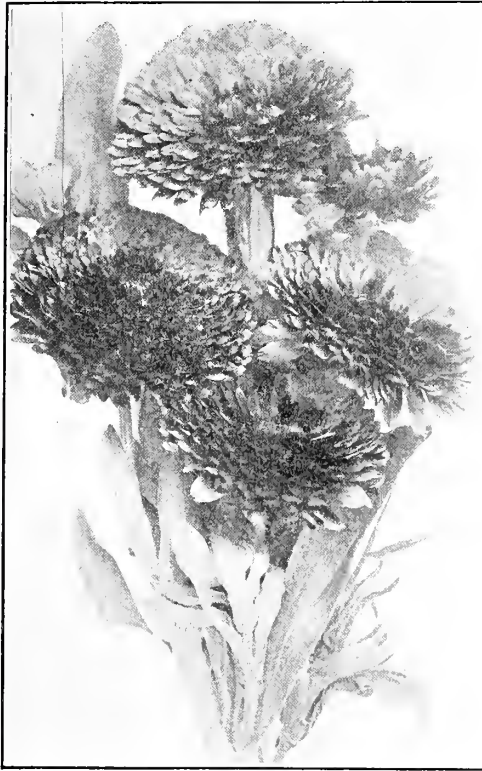
If earlier flowers are wanted the seed may be started in the house or greenhouse and the plants set out in the open ground in May or June.

Our seed is a mixture of the following colors: White, light blue, dark blue, light pink and deep carmine.

Tall Branching stock-flowered mixed colors. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.



A Plant of Annual Larkspur only three months from the seed.



Calendula

### CALENDULA—Special Selection

These pretty low-growing flowers make a bright spot in the garden from early summer until snow covers them.

They are easily raised by sowing the seed in the open ground. The flowers are  $2\frac{1}{2}$  to 3 inches across, very double and of two colors, yellow and orange.

The seed we offer will produce superior flowers both in size and doubleness. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

### CARDINAL CLIMBER

A rapid growing vine with handsome fringed or lacinated leaves and small brilliant red flowers. The vine will grow 25 feet in a season and will cover a wide space, dotted all over with bright cardinal red flowers. A very ornamental and useful vine for covering walls, fences or trellis.

To get early effects it is well to start the seed in pots in the house in March and set out the plants when danger of frost is over. If seed is sown in the open ground it should not be sown before May 1st. Soak the seed a few hours before planting. Pkt. (25 seeds) 10c; 3 pkts. 25c.

### HELIOTROPE

**IMPROVED LARGE-FLOWERING.** Plants grow 2 feet high and produce very large clusters of flowers ranging from light blue to purple, and of delicious fragrance.

The seed should be sown in the house or greenhouse in March and the plants set in the open ground about June 1st in this locality (Western New York).

Heliotrope ought to be more largely grown. The new Large Flowering variety flowers early and is little trouble to raise. Pkt. 10c; 3 pkts. 25c.

**HELIOTROPE PLANTS.** We can furnish plants ready May 15th. 25c per doz.; 50 plants \$1.50.

### PANSY—Johnson's Giants

We know of no finer pansies than these. The seed was grown by an expert and was saved from only the largest and handsomest flowers with ruffled or fluted petals. The flowers are of the largest size, often  $2\frac{1}{2}$  inches across and have long stiff stems when well grown. The colors are rich and bright and the flowers show a great variety of marking as well as solid colors of very rich tints. These pansies will please every one. Pkt. 15c;  $\frac{1}{8}$  oz. \$1.00;  $\frac{1}{4}$  oz. \$1.75.



PANSIES—Johnson's Giant (Ruffled)

(Photograph)



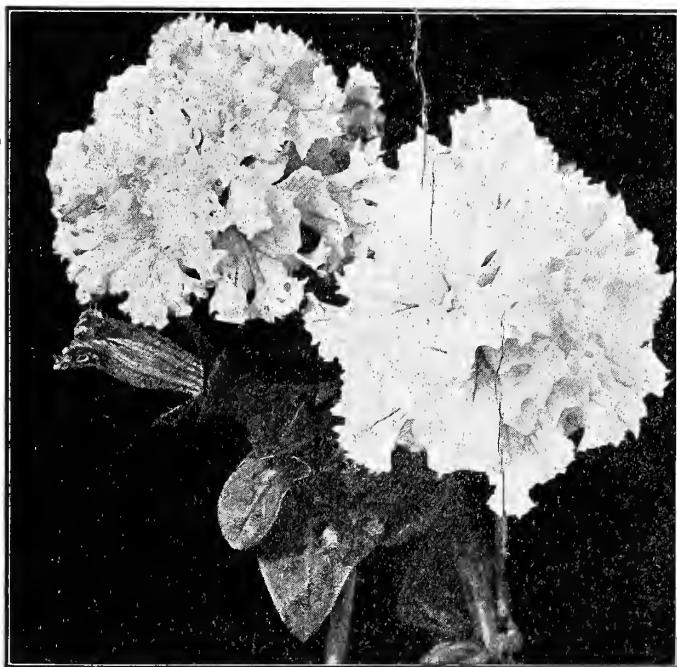
## PANSY—Masterpiece or Giant Ruffled

These pansies are **very large** and the petals are frilled and ruffled to a greater extent than other kinds. The colors are excellent and the plants of great vigor, holding the immense flowers well up on long, strong stems. The petals are often so large and fluted that the flowers appear to be double.

Pkt. 12c;  $\frac{1}{8}$  oz. 75c;  $\frac{1}{4}$  oz. \$1.25.

## PANSY—Harris' Special Mixture

This mixture includes some very fine varieties and all are good, large flowers of really fine colors—all the common colors being rejected.



Harris' Perfection Double Petunias (Photograph)

The seed is sold at a very moderate price and we do not think as good a mixture can be bought elsewhere for so low a cost. It is not a cheap mixture by any means, but a really fine one sold at a much lower price than is usually charged for one so good. Pkt. 10c;  $\frac{1}{8}$  oz. 50c;  $\frac{1}{4}$  oz. 85c.

## HARRIS' PERFECTION DOUBLE PETUNIA

It has always been difficult to raise good double Petunias from seed. The seed usually sold produces very few really double flowers.

The seed we now offer produces from 70 to 80 per cent double flowers when will grown.

The flowers are delicate and of attractive coloring with remarkable beautiful lines and markings on every petal.

These are beautiful flowers and are well worth extra pains required to raise them.

Sow the seed in a box in very fine soil. The half inch on top should be put through a fine sieve. Sow the seed on the surface and sprinkle lightly. Do not cover the seed. Sprinkle lightly every day. These directions apply to all the large flowering petunias, whether double or single. Pkt. 25c; 200 seeds 50c.

## SINGLE PETUNIAS

### Ruffled Giants or "Fluffy Ruffles."

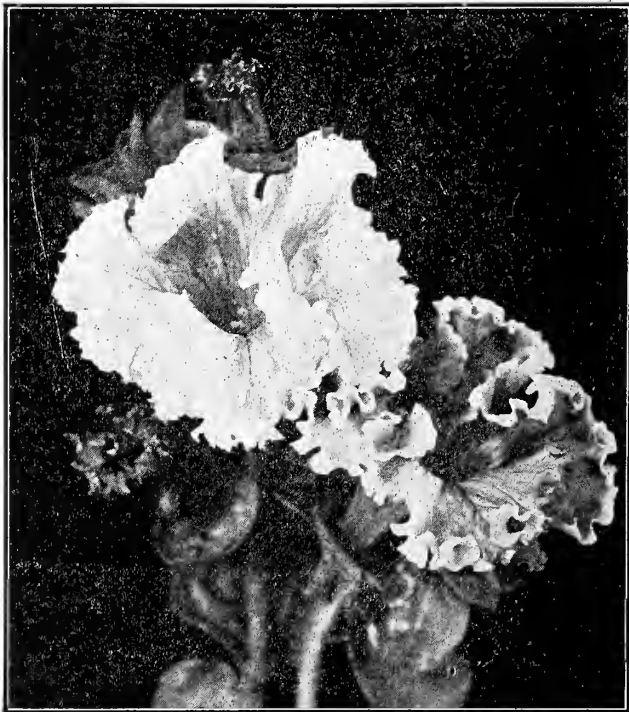
These are immense flowers beautifully ruffled or fluted on the edges of the petals as shown in the photograph reproduced on this page.

The ground colors range from white to deep pink and royal purple. Each flower is veined and marked with many lines of various colors. There is usually a bright golden spot in the throat of each flower.

The plants are of vigorous growth and if set out 2 feet apart will completely cover the ground and profusion of flowers all through the summer.

Sow seed in the same way as recommended above for Double Petunias. Pkt. 20c; 300 seeds 50c.

For other varieties see page 81.



Single Petunias—Ruffled Giants.

### Pansy and Petunia Plants

We can furnish nice plants carefully packed for shipment by parcel post or express as follows, ready May 15th.

Harris' Perfection Double Petunia . . . 75c per doz.  
Johnson's Giant Pansy . . . . . 35c " "

Orders will be booked at any time and plants sent when ready.

## SALPIGLOSSIS

People visiting our grounds always admire the long rows of Salpiglossis which we raise for seed. It is not as familiar to many people as it should be.

The Salpiglossis is not difficult to raise and is one of the handsomest and most interesting of the garden annuals.

The flowers are about 3 inches in diameter and are shaped like Morning Glories and Petunias. Their real beauty lies in the remarkable shades of color and beautiful markings which differ in the flowers on every plant. The ground colors are yellow, blue, purple, red, etc., and are veined and marked with a great variety of colors. The texture of the flowers is like fine velvet and they are carried on slender plants three feet high which are very graceful.

The seed may be sown in the open ground in May, and the plants will flower in July and continue until killed by frost.

The seed we offer was saved from flowers of a great variety of colors, including all the most desirable shades, and largest size.

**SALPIGLOSSIS GRANDIFLORA Mixed.** Pkt. 5c;  $\frac{1}{8}$  oz. 20c.

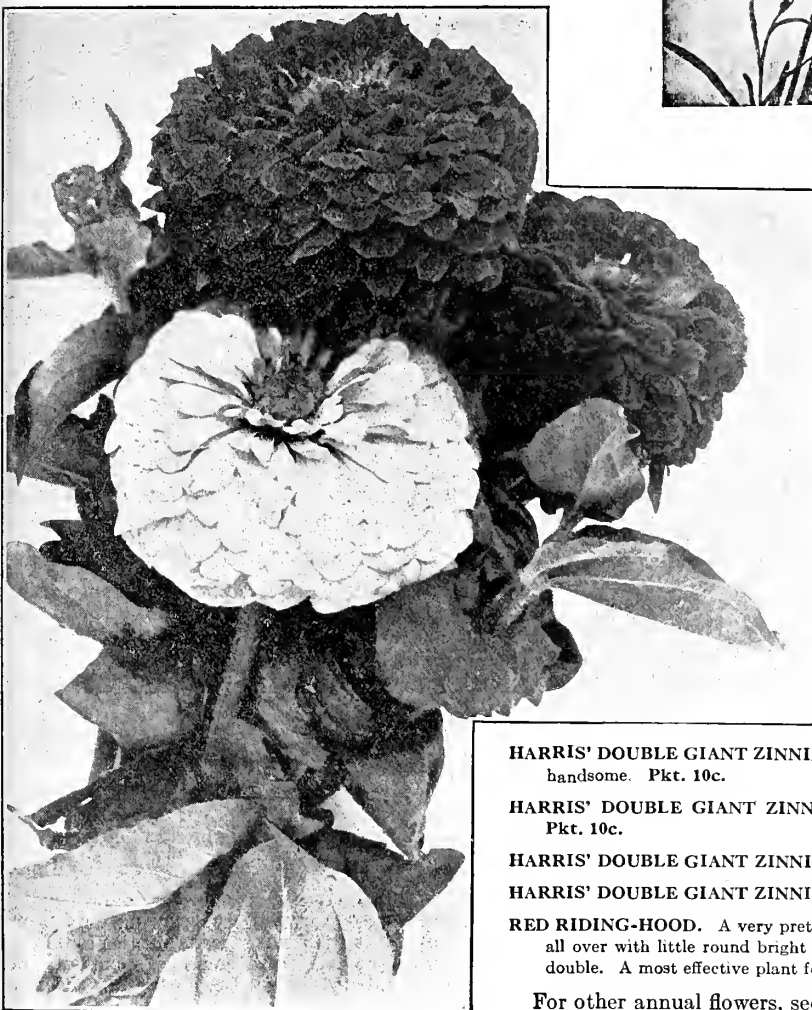


Salpiglossis

## ZINNIAS

Those who saw the Zinnias we had growing for seed the past season will appreciate the fact that the strain we have produces exceptionally large flowers of very bright rich colors.

The flowers of this strain are often 5 in. across, and perfectly double, showing practically no brown centers. The plants are of very robust growth, 2 to 3 feet high and when covered with these immense bright colored flowers are very ornamental. The flowers remain in good condition on the plant for three weeks or more after they come out. They commence to bloom early and continue until late in the fall. We can furnish some of the best colors separate or mixed as desired.



**HARRIS' DOUBLE GIANT ZINNIAS, Scarlet.** A rich glowing red that is very handsome. Pkt. 10c.

**HARRIS' DOUBLE GIANT ZINNIA, Golden Yellow.** Rich chrome yellow. Pkt. 10c.

**HARRIS' DOUBLE GIANT ZINNIA, White.** Pkt. 10c.

**HARRIS' DOUBLE GIANT ZINNIA, Mixed Colors.**  $\frac{1}{4}$  oz. 30c; pkt. 10c.

**RED RIDING-HOOD.** A very pretty dwarf zinnia only a foot high and covered all over with little round bright scarlet flowers about an inch across and are double. A most effective plant for borders. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

For other annual flowers, see pages 70 to 82.



## GENERAL LIST OF FLOWER SEEDS—ANNUALS



## DIRECTIONS FOR CULTURE

We have printed a little pamphlet on the culture of vegetables and flowers which we will send free of charge to anyone who orders seeds of us amounting to 50c or more, and who asks for it.

## HARRIS' FLOWER SEEDS GROW!

Everyone who has purchased flower seeds knows that many of them fail to germinate. This is often the fault of the gardener, but also many times it is due to poor seed.

The same care we take in testing vegetable seeds is also applied to flower seeds as well. Every lot is tested and none is sold that does not show good vitality. *You can depend upon Harris' flower seeds growing if given a chance.*

## AGERATUM OR "FLOSS FLOWER"

A very useful plant for bedding and borders, as it will continue in bloom all summer and fall completely covered with its pretty floss-like flowers.

The seed may be sown in the open ground in May or if early plants are required sow the seed in the house early in the spring. Seed sown in September will produce plants that will bloom in the house all winter.

**BLUE PERFECTION.** The deepest blue variety. Very handsome and one of the very best bedding plants of this color. Plant of compact growth, 9 inches high with large flowers. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**LITTLE BLUE STAR.** Only 4 or 5 inches high and completely covered with bright blue flowers. Very nice for edging. Pkt. 10c.

**IMPERIAL DWARF WHITE.** Very attractive when grown with the blue varieties, 8 to 9 inches high. Pkt. 5c;  $\frac{1}{8}$  oz. 15c.

## Flower Seeds That Grow!

If you have had trouble in getting flower seeds that "come up," try Harris'. They are all tested and will grow.

## AMARANTHUS

These plants have brilliant colored foliage and flowers and are useful to add color to the garden among tall plants and shrubs, or in the center of a bed. The plants should have plenty of room to develop as they grow 3 to 4 feet high.

**TRICOLOR or JOSEPH'S COAT.** A brilliantly colored variety having the stems and inside leaves deep bronze, while the outside leaves are bright scarlet and gold. Pkt. 5c.

**CANDALUS (or Love-lies-bleeding).** Blood-red drooping flowers. Pkt. 5c.

## ALYSSUM

A very pretty little plant, covered with pure white sweet-scented flowers, which are produced all through the summer. Especially useful for edging and borders.

**SWEET ALYSSUM.** Very fragrant. Pkt. 5c; 3 pkts. 12c; oz. 25c.

**LITTLE GEM.** A dwarf variety, growing only 5 or 6 inches high, but the plant spreads out to a foot in diameter and is covered with compact spikes of white flowers all summer. To get the best results the plants should be thinned to a foot apart. Pkt. 5c; 3 pkts. 12c.



Sample's Pink Branching Aster.  
(From a Photograph)

## ASTERS

The seed we offer is largely of our own growing from the best flowers only, all "sports" and plants producing inferior blooms being pulled out.

To raise the best asters the seed should be sown in boxes or cold frames about April 1 and the plants set in the open ground about June 1. Very good flowers can also be obtained by sowing the seed in the open ground the last of April, and setting out the plants as soon as large enough. Each plant should have at least two square feet of space. That is, they should be set out 1½ feet apart each way, or in rows two feet apart and one foot in the row. This is as close as they should ever be set out to get the largest and handsomest flowers.

### Queen of the Market.

The earliest aster and valuable on this account, especially for cut flowers for market. The flowers are of medium size, very compact and double, and when well grown have stems over a foot long. If plants are started early they will flower in July. We can furnish two colors as follows:

White. Very fine full flowers. Pkt. 10c; ¼ oz. 50c; oz. \$1.50.  
Pink. Light pink. Pkt. 10c; ¼ oz. 60c.

### Crego Pink.

The flowers are simply immense, 5 to 6 inches in diameter, and are produced on strong stems often 2 feet long. They are also of beautiful form, with very long and gracefully curled petals, and are perfectly double, very few showing any yellow centers. The color is a very light shade of soft pink deepening as the flower opens. This is the largest aster we know of. Pkt. 10c; ¼ oz. 55c; oz. \$1.75.

### Crego White.

Pure white flowers of very large size and fine form. One of the very finest white asters. Pkt. 10c; ¼ oz. 55c; oz. \$1.75.

**LAVENDER GEM.** An early flowering aster of a pleasing shade of lavender. The flowers are large with long twisted petals, very full and double. The plant is of moderate growth, branching near the ground, and the flowers are borne on long, slender stems. This we think is the best early aster of this color. Pkt. 10c; ¼ oz. 75c.

**VIOLET KING.** The "King" asters have narrow rolled petals which give the flowers a distinct appearance. The flowers are large, full and stand erect on long stems. Season, medium late. The Violet King is of a clear, light purple or violet. Pkt. 10c; ¼ oz. 50c.

**ROSE KING.** Similar to the Violet King, except in color which is a deep rose—bright and glowing. One of the handsomest red asters. Pkt. 10c; ¼ oz. 50c.

**SEMPLER'S PINK BRANCHING.** The flowers are large and of fine form, with long gracefully curled petals, and are of a beautiful shade of clear, light pink. They are borne on long, slender stems, so that they are very graceful when used as cut flowers for decorative purposes. The plants make a strong growth and produce great numbers of large, perfectly double flowers. Pkt. 8c; ¼ oz. 50c; oz. \$1.50.

**LATE BRANCHING ASTERS.** This class of asters bloom a little later than Cregos and Kings, and remain in flower a long time, the plants carrying a wealth of bloom until late in the fall.

The flowers are very large and have broad, incurved petals and show no yellow centers. The plants are of branching habit and carry the flowers on long stems, often reaching two feet high.

They are very satisfactory asters and should be in every collection.

	Pkt.	¼ oz.
WHITE. Pure-white flowers of largest size. The finest white aster. . . . .	\$0.08	\$0.30
ROSE. Deep rose color; very handsome. . . . .	.10	.40
LAVENDER. A clear deep lavender. . . . .	.10	.40
MIXED COLORS. A mixture of the best colors. . . . .	.08	.30

**CHOICE VARIETIES OF ASTERS MIXED.** This mixture is composed of seed of Late Branching White and Lavender, Peerless Pink, Violet King, Rose King and Royal Purple. Pkt. 8c; 3 pkts. 20c.

**ASTER PLANTS.** We can furnish plants of the following varieties of asters (which are the best kinds) ready to set out about June 1. These plants will produce very handsome flowers in August.

MORETON PINK.  
CREGO PINK.  
ROYAL PURPLE. Dark purple.  
PEERLESS PINK.  
ROSE KING. Bright rose color.

VIOLET KING. Light purple or violet.  
LAVENDER ROCHESTER. Pure lavender.  
LATE BRANCHING. White  
LATE BRANCHING. Rose  
LATE BRANCHING. Mixed colors.

These varieties include all the most desirable colors.

Price of Plants. 30c per doz; 50 plants \$1.00; 100 plants \$1.75.

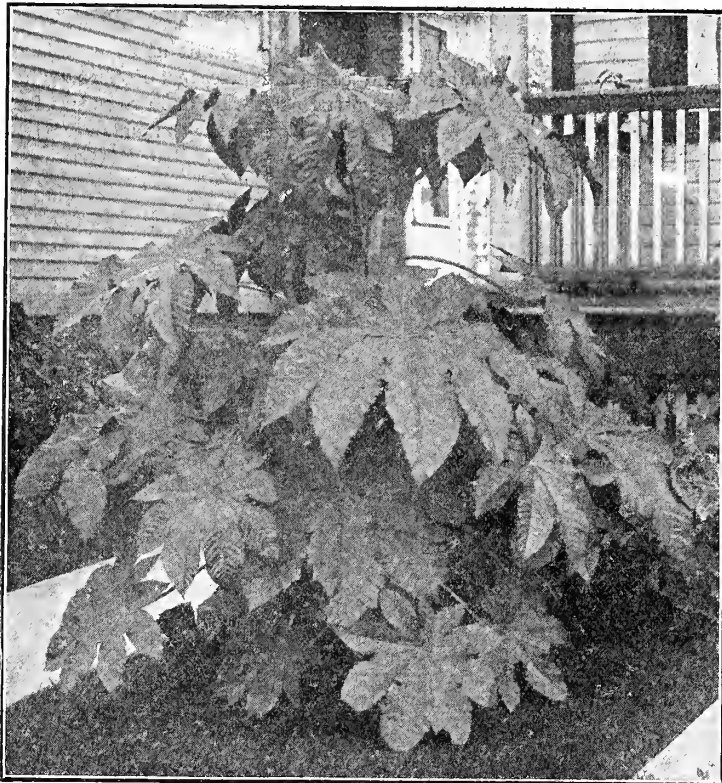


## BALLOON VINE

A rapid growing vine with white flowers, followed by seed vessels resembling small balloons. Sow in May. Pkt. 5c.

## BALSAMS

These charming flowers can be easily grown in the open ground, and will flower abundantly early in the summer. To get best results the plants should be thinned out to a foot apart.



Caster Oil Beans (*Ricinus*)

## CANDYTUFT

Candytuft is a very hardy plant, easily grown, and flowers all summer. It is a universal favorite, and is used for beds, borders, pots, etc.

**EMPRESS.** An improved variety producing very long spikes of bloom resembling a white hyacinth. This is certainly the finest white candytuft. Pkt. 10c; ¼ oz. 25c.

**DUNNETT'S CRIMSON.** Flowers of a light shade of red. Pkt. 5c; 3 pkts. 12c.

**WHITE ROCKET.** Large spikes of pure white flowers. Pkt. 5c; 3 pkts. 12c; oz. 25c.

**MIXED COLORS.** A mixture of the pink, purple and white varieties. Pkt. 5c; 3 pkts. 12c; oz. 25c.

**PERENNIAL.** See page 89.

## CANNAS

The seed should be sown in a box or pots in February or March, and the plants set out when danger of frost is past.

**CANNA SEED.** The handsomest named varieties of cannas can only be grown from bulbs, but some very nice ones can be raised from seed. We offer seed of the large flowering French cannas, which are by far the finest cannas grown. Soak the seed in warm water for a few days before planting. Pkt. 10c; oz. 25c.

**CANNA BULBS.** See page 91.

**Double Camellia-Flowered.** The flowers are very

large and perfectly double, and grow so thickly on the stems that the plant resembles a mass of bloom from top to bottom. Our seed is of the very finest strain, producing perfectly double flowers of the best form and largest size. Mixed colors, pkt. 8c. Pure white, pkt. 10c.

**ROSE FLOWERED.** Large double flowers that look like small roses. The colors are pink, deep red and pure white mixed. Pkt. 5c; 3 pkts. 12c.

## CASTER OIL BEAN

(*Ricinus*)

A very effective plant for lawn decorations or screens. Plant the seed when the soil is warm and where the plants are to grow. It is well to put three or four seeds in a place and thin to one good plant.

**CAMBODGENSIS.** This is a most attractive and gorgeous variety. The plants grow rapidly, and the dark reddish-bronze leaves with large red veins present a most luxurious and striking appearance. When young the leaves and stems are reddish-brown, while the main stem is a lustrous black, producing a gorgeous effect. Pkt. 10c.

**ZANZIBARIENSIS.** The largest variety, often growing 12 feet tall with enormous leaves measuring over two feet across. The leaves are green, while the stalk, stem and veins of the leaves are red, brown and yellow, producing a gorgeous display of color. Pkt. 10c.



White Rocket Candytuft



Calliopsis

## CALLIOPSIS

One of the most charming and attractive of annual flowers easily grown and producing an abundance of flowers all through the summer and autumn.

**GOLDEN WAVE.** A most attractive and beautiful flower. The plants grow about 15 inches high, and are covered with bright golden yellow cup-shaped flowers with maroon centers. A row or bed of these plants with their long, graceful stems and bright foliage, in contrast with the bright color of the flowers, presents a most pleasing sight. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**BICOLOR (Marmorata).** The plants grow two feet tall and produce a profusion of bright-colored flowers about an inch in diameter, of every shade of yellow, brown and maroon, on long, graceful stems. Very easily raised and will flower all summer. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**CROWN OF GOLD.** Large, pure yellow flowers on long wiry stems. Splendid for cutting and very handsome garden plants, 2 to 3 feet high. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

## CENTAUREA OR SWEET SULTON

The improved large flowering Sweet Sulton (*Centaurea Imperialis*) are much handsomer flowers than the old Sweet Sulton of by-gone days. They are very easily raised and should be better known.

**CENTAUREA IMPERIALIS.** These beautiful flowers often grow two inches in diameter, and have long, graceful stems. The plant is a vigorous grower and blooms for a long time. Seed sown in the open ground in the spring will produce flowering plants in July, and they will continue to flower until fall. A light frost does not injure them. The flowers are pure white, lavender and white. These centaureas are certainly a great addition to our hardy annual flowers, and we are sure they will please all who raise them. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**CENTAUREA CYANUS.**

See Cornflower, page 64.

**CENTAUREA Americana.** See page 64.



Centaurea Imperialis, Improved Sweet Sulton

## CLARKIA

Plants 2 feet high and covered with long spikes of very pretty double flowers. These are graceful and ornamental plants and should be more generally grown. Easily raised from seed sown in the open ground in the spring.

**CARMINE QUEEN.** A very attractive new variety of Clarkia that should be better known. The flowers are large, double and of a very pleasing shade of carmine pink. A much handsomer flower than any Clarkia we have seen before. The flowers are produced in sprays a foot long and make very useful and attractive cut flowers. Pkt. 10c; 3 pkts. 25c.

**DOUBLE, MIXED COLORS.** Pretty double flowers of various shades of pink, purple and lavender. Pkt. 5c; 3 pkts. 12c.

## COBOEA SCANDENS (Cathedral Bells)

A very rapid-growing climber. From seed planted in the spring the vines will very often grow 30 feet before fall, and are dotted with pretty, bell-shaped flowers, of a deep violet blue color,  $1\frac{1}{2}$  inches across. To get early effects the seed may be planted in boxes or pots edge-down, and the plants set out in May; or the seed can be planted in the open ground in May where the vines are to grow.

## COCKSCOMB (Celosia)

Easily grown and very showy and brilliantly colored plants. Sow the seed in the open ground where the plants are to grow.

**THOMPSON'S MAGNIFICENT.** A very handsome variety that should be better known. The plants grow two or three feet high, and are covered with long, graceful plumes of most intense crimson, scarlet and yellow. There is no flower that will produce such a brilliant mass of colors as this. The plants are rapid growers and will flower from July until frost, and present a most attractive bit of color in any garden. We offer two colors separate. **Crimson**, pkt. 5c; **Golden Yellow**, pkt. 5c.

## CARNATIONS

The largest and finest carnations can only be grown in greenhouses, but the early flowering kinds described below produce very handsome flowers, and will bloom in the open ground during the late summer and fall if the seed is sown early in the spring in boxes placed in the house window and the plants set out in the open ground when danger of frost is past. These carnations will flower until late in the fall and then may be taken up and will flower for a long time in the house.

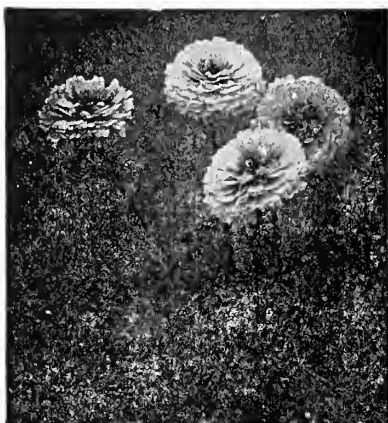
**New Giant Marguerite.** A new and improved strain with very large flowers produced on longer stems than the older kinds. This is the finest carnation that can be raised in the open ground. **Pure white**, pkt. 15c. **Mixed colors**, pkt. 10c;  $\frac{1}{8}$  oz. 25c.

**CARNATION PLANTS.** We can furnish plants of the New Giant Marguerite mixed colors, at 40c per doz., prepaid.



## CHRYSANTHEMUMS

The annual chrysanthemums raised from seed are entirely different from the large Japanese varieties grown in green-houses. The annual kinds have small flowers of bright colors and fine dark green foliage. Very easily grown from seed sown in the spring in the open ground.



White Pearl Chrysanthemum (Photograph)

### WHITE PEARL.

A very handsome annual chrysanthemum

with pretty double white flowers, slightly yellow in the center. The plants grow three feet high and are covered with hundreds of flowers during the summer and fall. This is the finest variety we have seen. Pkt. 5c; 3 pkts. 12c.

**DUNNETT'S NEW DOUBLE YELLOW.** Medium sized double flowers much like the White Pearl, except in color, which is a pleasing shade of yellow. Flowers profusely from summer until late in the fall. Pkt. 5c; 3 pkts. 12c.

**CORON, Double White.** Dwarf compact plant with almost perfectly double flowers and continues in bloom very late in the season. Pkt. 5c; 3 pkts. 12c.

**HARDY CHRYSANTHEMUMS.** See page 87.

## COSMOS

**MAMMOTH FLOWERING COSMOS.** The flowers of this improved cosmos grow very large, measuring three to four inches in diameter, and are of the most delicate colors, shading from pure white to deep red and purple.

The plants grow from five to six feet high, and the flowers have long, graceful stems, and are most attractive and beautiful. In order to get them to flower early in the fall in this latitude the seed should be sown in pots or boxes in March and the plants set out in the open ground in May. The Early Flowering Cosmos described on page 65 is much better in every way for the North. Pkt. 8c; 3 pkts. 20c.

**LADY LENOX.** A new Mammoth cosmos with very large flowers of a charming shade of shell pink. Blooms late, so plants should be started early. Pkt. 10c; ¼ oz. 25c.

**EARLY FLOWERING.** The best Cosmos for the Northern states. See page 65.

## DAHLIAS

Dahlias, especially the single varieties, can easily be raised from seed by sowing in a box or pot in February or March and transplanting into other pots as the plants commence to crowd. Set in the open ground when warm and support with stakes. The plants will flower the first year, and the roots can be saved and will flower much earlier the second year.

**SINGLE DAHLIA.** These are becoming very popular and fashionable flowers. Our seed is a mixture of the finest single varieties with largest flowers and best colors. Pkt. 5c; 3 pkts. 12c.

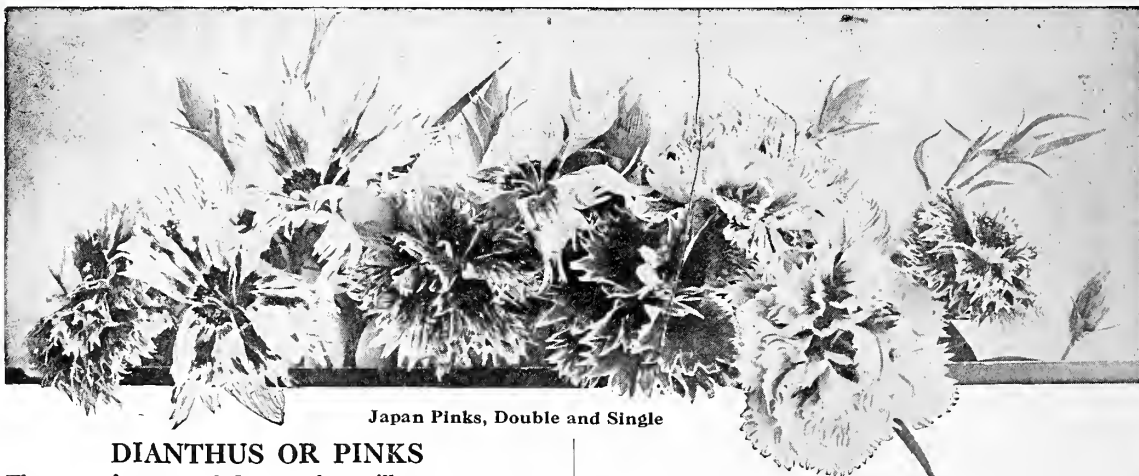
**DOUBLE DAHLIAS.** Seed saved from the largest and finest double dahlias, and will produce a high percentage of fine double flowers. Pkt. 10c; 3 pkts. 25c.

## AFRICAN "GOLDEN-ORANGE" DAISY

(*Dimorphotheca aurantiaca*)

A hardy annual flower recently discovered in Africa. It is easily grown from seed sown in the open ground and the flowers are quite unique. They resemble a field daisy in shape, but are of a bright orange yellow and have longer and narrower petals. The plants grow about a foot high and flower continuously during the late summer and fall. Orange yellow, Pkt. 10c.

**NEW HYBRIDS.** Various colors from light yellow and tan to deep pink. Pkt. 10c.



Japan Pinks, Double and Single

## DIANTHUS OR PINKS

There are few annual flowers that will produce such a brilliant display of color for so long a time as the various varieties of dianthus. Seed sown in the spring produces a beautiful display of flowers from July to November. If the plants are given some light protection they will live over winter and flower very early the following spring.

**DOUBLE JAPAN PINK (Dianthus Heddewigi).** Remarkably large and double, and of brilliant colors. The flowers are as large as the finest carnations. The plants flower all through the late summer and fall and produce their gorgeous colored flowers in great profusion. Our strain of these pinks is very fine. Mixed colors, pkt. 5c; ¼ oz. 25c; oz. 85c.

**FIREBALL.** A very handsome Double Japan Pink of a clear, pure, brilliant scarlet, with no purple shade. The flowers are large and double, and resemble a fine bright red carnation. They not only make a brilliant show on the plant but they are handsome as cut flowers. Pkt. 8c; 3 pkts. 20c.

**SNOWBALL.** Large pure white double fringed flowers which resemble white carnations. Pkt. 10c.

**DOUBLE FRINGED (D. laciniatus).** This is a beautiful variety of the Double Japan Pinks. The petals of the flowers are fringed at the edges and the flowers are very large and of many beautiful colors. We con-

sider this the handsomest variety. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.

**DOUBLE CHINESE PINK** (*D. chinensis*). Flowers very double and produced in clusters. Very handsome. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**SINGLE DIANTHUS**. The single-flowering dianthus makes a most brilliant show of color in the garden. They flower continuously through the summer and fall, and a bed or border of them is very attractive. Mixed colors. Pkt. 5c; 3 pkts. 12c.

**HARDY GRASS PINKS**. See description under "Hardy Perennial Flowers."

### ESCHSCHOLTZIA or CALIFORNIA POPPY

A very ornamental trailing plant with silvery leaves and large, bright-colored, saucer-shaped flowers. The plants spread over the ground two feet or more and their flowers stand above the leaves in great profusion. Very easily raised and will bloom from July to October.

**GOLDEN WEST**. Large, bright yellow flowers. The flowers are larger and handsomer than the old yellow variety. Pkt. 5c; 3 pkts. 12c.

**CARMINE KING**. A beautifully colored variety. The large flowers are of a charming shade yellow tinted with carmine or rose color on both sides of the petals. This is a new kind that will please all who raise it. Pkt. 5c; 3 pkts. 12c.

**MIXED COLORS**. Composed of the best and brightest colored varieties. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**VESUVIOUS**. A superb new variety. See page 66.

### Bush Eschscholtzia or Santa Barbara Poppy

(*Hunnemannia fumarioefolia*)

A really remarkable new flower. The plant grows in a bush form two feet high and is covered with large yellow cup-shaped poppies 3 to 4 inches across. Seed sown in May will produce plants that flower from August until late in the fall. Thin the plants to a foot apart. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.



California Poppies (*Eschscholtzia*)

### EVERLASTINGS—(*Helichrysum*)

(*Helichrysum Monstrosum*)

These annual Everlastings or "Straw Flowers" are easily grown and bloom profusely in September and October. If the flowers are picked when they are but half open and thoroughly dried they will last for a year or more. The seed is sown in the open ground in the spring.

**MIXED COLORS**. A collection of the handsomest colors, from pure white to deep red. Flowers large and double. Pkt. 5c; 3 pkts. 12c.

### FOXGLOVE (*Digitalis*)

A hardy perennial, very easily grown and the spikes of flowers are stately and beautiful. Sow the seed in the spring and thin out or transplant to a foot or more apart. Foxglove is especially handsome when planted along a wall or fence, or as a background for other flowers. Does well in partial shade. The plants will last for years without any protection.



Foxglove

### GLOXINIODES

The handsomest variety, with very large gloxinia-like flowers. We offer this variety in both pure white and mixed colors.

**White**. The most pleasing color; the large white flowers stand out in marked contrast to the green foliage. Pkt. 8c; 3 pkts. 15c.

**Mixed Colors**. All the best colors mixed. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**Foxglove Plants**.

See page 88.

### GOURDS

Cultivation similar to squash. The vines can be allowed to run on the ground, but gourds are usually planted where the vines can run over a fence, arbor, or old tree. They are excellent climbers, and the fruit has such a variety of forms and colors that a collection of gourds is exceedingly interesting.

**DIPPER GOURDS**. The fruit at one end is long and slim and bulges at the other end so it can be used for dippers. Pkt. 5c; oz. 15c.

**JAPANESE NEST EGG**. Fruit white, resembling an egg in size and shape. Does not crack and is not injured by ordinary heat and cold. A vigorous grower and a decidedly ornamental climber. Pkt. 5c; oz. 15c.

**MIXED SMALL SORTS**. A mixture of a large number of small ornamental sorts imported from Germany. Pkt. 5c; oz. 15c.





Double Gaillardia

### GAILLARDIA—Blanket Flower

The Gaillardias are very showy flowers and easily raised. They are of two distinct types. The single varieties are perennials, and do not reach perfection until the second year. The double variety is an annual, and flowers the first season only. The seed can be sown in the open ground, and the plants should be thinned from eight to ten inches apart.

**SINGLE GAILLARDIAS (Grandiflora).** Hardy Perennial. See page 88.

**DOUBLE (Picta Lorenziana).** A very handsome double flower that makes a pretty show of color in the garden and through the late summer and autumn. The flowers are of good size and have long stems and are excellent for cutting. The colors are very bright, being mostly shades of yellow and bright red. The plants commence to flower in July and continue until November. Pkt. 5c; 3 pkts. 12c.

### KOCHIA OR SUMMER CYPRESS

A very ornamental plant which forms round bushes 1½ to 2 feet high, with feathery light green leaves, changing in the fall to bright red, so that the whole plant looks like a ball of fire. These little bushes are very pretty at all stages of growth and are especially attractive in the fall. Very easily grown from seed sown in the open ground in the spring. Thin the plants so they stand 2 feet apart.

**KOCHIA TRICHOPHYLLA.** The best variety. Pkt. 5c; 3 pkts. 12c.

### KUDZU VINE

(*Pueraria thunbergiana*)

A hardy perennial vine of remarkably rapid growth, and valuable for covering arbors, old trees, verandas, etc. The foliage is luxuriant and handsome and the flowers are bright purple, of small size and produced in clusters.

The seed may be sown in the spring and the vines will grow 10 or 20 feet the first season, dying down in the winter, and the next season will grow 40 feet or more. Pkt. 10c.

### MORNING GLORY—(Convolvulus)

Morning Glories make a very rapid growth and produce vines 10 to 15 feet high during the summer from seed sown in the spring.

**MIXED COLORS.** Very hardy and vigorous vine, growing with great rapidity and covered with large handsome flowers of many colors and markings. May be used to cover fences, walls or outbuildings. Pkt. 5c; oz. 12c.

**NEW JAPANESE.** The Japanese have made wonderful improvements in the morning glory. The new Japanese varieties are of large size, and the colors and markings are of remarkable beauty. The foliage is also very ornamental, being variegated, striped and marked with different shades of green and white. The vines are not of as vigorous growth as the common morning glory, and require extra care. Our seed is of a very fine strain, comprising many plants with variegated leaves and flowers of the largest size and most attractive colors. Pkt. 5c; oz. 25c.

### MALLOW (Lavatera)

The annual mallow is a charming plant, growing 3 feet high and covered all summer with large, bright-colored, saucer-shaped flowers. The colors are white, pink and red. Very easily grown by sowing the seed where the plants are to remain and thinning to a foot apart. They do not bear transplanting.

**MIXED COLORS.** Pkt. 5c; ¼ oz. 25c.

### MARIGOLDS

Marigolds are very easily grown, and are among our most satisfactory annual flowers. They continue to bloom after most other flowers are gone and make a bright display of color which is most attractive.

There are two distinct classes of Marigolds. The French varieties have small bright-colored flowers of various shades of yellow and brown, while the African Marigolds have much larger yellow flowers.

**GOLD STRIPED.** A double French dwarf variety. Plants grow 15 inches high, and are covered with bright-colored double flowers in the greatest profusion. The petals are a beautiful red brown, margined with bright yellow, producing a very pleasing effect. Pkt. 5; ¼ oz. 15c.



Double African Marigold

**DOUBLE AFRICAN QUILLED.** Plants grow from two to three feet high. Flowers very large, measuring from three to four inches in diameter, perfectly doubled and with quilled petals. We offer two distinct colors, light yellow and orange, mixed. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**DOUBLE FRENCH.** Plants grow about two feet high. The flowers are two inches across, perfectly double and of rich colors, orange, brown and yellow, mixed. The plants are covered from the ground to the top with these pretty bright-colored flowers. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

## MARVEL OF PERU, or FOUR O'CLOCKS

An old-fashioned flower that is still popular. They grow anywhere and bloom continuously all summer, each plant producing hundreds of large flowers, the colors being yellow, white, red, and striped. The plants grow 2 feet tall and the flowers somewhat resemble morning glories.

Sow the seed in the open ground and thin out the plants to a foot apart. Useful to grow by the side of walls and fences.

**MIXED COLORS.** Pkt. 5c;  $\frac{1}{2}$  oz. 20c.

## MIGNONETTE—(Resida Odorata)

**ALLEN'S DEFIANCE.** This improved variety has magnificent long spikes of flowers which under favorable circumstances sometimes grow over a foot long, and will last a long time after cutting. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 50c.

**MACHET.** The plants are of a dwarf habit and produce an abundance of very large spikes of flowers, being three times as large as the common kind, and continue in flower much longer. We highly recommend it for house or outdoor culture. The flowers are of a red tinge and the fragrance is delicious. Pkt. 5c;  $\frac{1}{4}$  oz. 15c; oz. 70c.

**Goliath.** A new variety with immense spikes of flowers and very luxuriant foliage. The florets are unusually large and clustered thickly along the stem and are of a bright red color, which produces a very pleasing effect. The fragrance is powerful and delicious. Undoubtedly one of the very best varieties for house culture or open ground. Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**GOLDEN QUEEN.** Flowers of a golden yellow hue, large and compact. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**MIXED.** A mixture of many varieties, including white, pink and red shades, all with large spikes of flowers. Pkt. 5c;  $\frac{1}{4}$  oz. 12c; oz. 40c.

**COMMON SWEET.** Small flowers, very fragrant; largely grown for bees. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c.

## NASTURTIUMS

There is no flower more easily raised than nasturtiums, and they are so graceful and of such beautiful colors that they are more largely grown than almost any other annual flower. They are beautiful in beds and borders, and are also largely grown in hanging baskets and boxes outside of windows and on balconies, and for trailing on trellises. Seed should be sown about the middle of May in this latitude.

**LOBB'S IMPROVED NASTURTIUMS.** The vines do not grow so long and rank as the common tall nasturtiums, which often entirely hide the flowers, but are covered with a mass of the most brilliant colored flowers of very graceful form. A row or bed of these nasturtiums is unsurpassed for beauty and attractiveness, and will be found a constant source of pleasure. They are among the finest nasturtiums for growing in boxes or baskets, as well as for outdoor culture. Our seed includes the finest varieties, ranging in colors from very dark red to the lightest yellow. Mixed Colors. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.25.

**MADAME GUNTER'S HYBRIDS.** These are new and charming varieties of Lobb's Nasturtiums, which were selected especially for the beauty and variety of their coloring and size of the flowers. The colors are more varied and more attractive than those of other nasturtiums, and the flowers are of the largest size. The foliage is also colored in many instances, which adds to their charm in no small degree. Mixed Colors. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; lb. \$1.30.

**TALL NASTURTIUMS.** Very vigorous vines growing 10 to 15 feet long if given support on which to climb; flowers of the largest size and beautiful colors. Mixed Colors. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 35c; lb. \$1.10.

**Selected Named Varieties.** of Tall Nasturtiums. We offer some new kinds that we have found to be very fine.

They have much larger flowers than the old type.

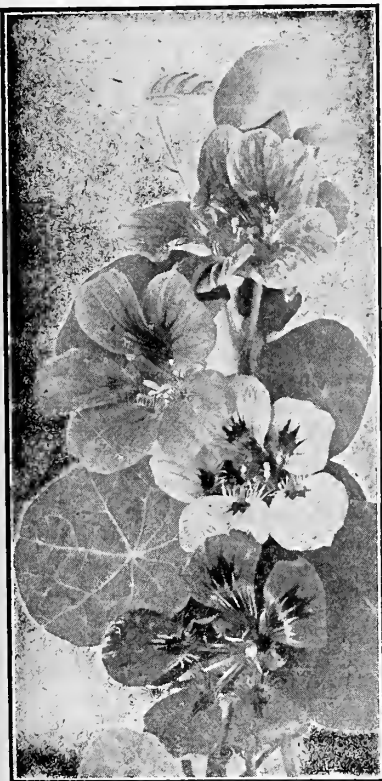
**BRILLIANT.** Glowing scarlet flowers and dark-leaved vines. Very handsome. Pkt. 5c; oz. 15c.

**JUPITER.** Very large rich golden yellow flowers on vigorous vines that make a tall growth. Pkt. 5c; oz. 12c.

**CHAMELEON.** Flowers of the largest size and beautifully marked and colored with various shades of red and yellow combined in the most attractive way. Flowers marked in two or three different ways will often be found on the same plant. Pkt. 5c; oz. 15c.

**VESUVIOUS.** Large, deep salmon-pink flowers, and reddish foliage; very handsome. Pkt. 5c; oz. 15c.

**RUDOLPH VIRCHOU. (Rose Queen)** A very handsome rose pink of a bright and rich hue. It is much the finest pink variety we have seen, and should be in every collection. Pkt. 5c; oz. 12c;  $\frac{1}{4}$  lb. 30c.



Lobb's Nasturtiums



**NASTURTIUMS — Continued.**

**SPITFIRE.** Brilliant scarlet flowers. Very bright and pleasing. Pkt. 5c; oz. 15c.

**SPECIAL OFFER.** We will send one packet each of the above five named varieties of nasturtiums for 20c net, or one ounce of each for 55c.

**New Variegated-Leaved Tall Nasturtiums.**

A new race of nasturtiums with leaves striped and marbled with white and light green on a deep green ground, which gives the vines a very ornamental effect even without the brilliant colored flowers which of course add greatly to their beauty. The flowers are large and of many bright and pleasing colors, ranging from light yellow and pink to deep red and gold. The seed we offer includes all the best varieties in this class. Pkt. 5c; oz. 15c; ¼ lb. 40c.

**Dwarf or "Tom Thumb" Nasturtium**

These varieties grow only about a foot high and have flowers nearly as large as the tall growing kinds. They grow rapidly and soon form a handsome bed or border with brilliant colored flowers and handsome foliage. We can furnish varieties that have dark reddish leaves, and others with green and white mottled, and plain green leaves as preferred.

**DWARF, Mixed Colors.** A mixture of the best colors in the dwarf class with green foliage. The colors are of every shade of yellow, red and pink, and the plants are very ornamental. Pkt. 5c; oz. 15c; ¼ lb. 40c.

**QUEEN OF TOM THUMBS.** A new variety with ornamental foliage, the leaves being mottled and veined with white. The flowers are of various shades of yellow and scarlet. Very useful for borders, as the plants are quite ornamental even when not in flower. Pkt. 5c; oz. 15c.

**DARK FOLIAGE VARIETIES.** This is a mixture of the best varieties with dark colored leaves and bright colored flowers. Very handsome border plants. Pkt. 5c; oz. 20c.

**NICOTIANA****Sweet-scented Tobacco**

This is a handsome annual flower, easily raised from seed sown in the open ground. Plants grow about two feet high and flower from August until frost.

**AFFINIS.** Long trumpet-shaped white flowers with a delicate and delicious fragrance. Pkt. 5c.

**SANDERAE.** A new variety, with bright carmine red flowers. The plant grows two feet tall and of a bushy form, completely covered with large, bright red flowers being much more prolific of bloom than the old variety. Everyone should raise a few plants of this charming new flower. Pkt. 10c.

**SANDERAE HYBRIDS.** These new hybrids of Nicotiana Sanderae have flowers of various colors, ranging from light pink to purple and bright red. Pkt. 10c.

**NIGELLA****(Love-in-a-mist, or Devil-in-a-bush)**

Very pretty annual, growing 1 to 1½ feet high with fine narrow leaves among which grow large double flowers with fringed edges. Easily grown by sowing the seed in the open ground. Thin the plants to a foot apart, as they grow in a bush form.

**DOUBLE MIXED (Dasmascena).** Large double flowers, blue and white. Pkt. 5c; ¼ oz. 15c.

**MISS JEKYLL.** A greatly improved large-flowering variety with light blue flowers. Pkt. 5c; ¼ oz. 20c.

**PORTULACA****("Sun Plant" or "Rose Moss")**

Often called "Sun Plant," as it loves a warm, sunny place in the garden. Does best on rich loam and sandy soil. The plants run freely but grow only a few inches high and are covered with bright-colored flowers all summer.

**DOUBLE ROSE-FLOWERED.** The finest of all portulacas. The flowers are double and resemble a small rose. Our seed is the very finest obtainable, and will produce a large percentage of beautiful double flowers of many charming colors. Pkt. 10c; 3 pkts. 25c.

**SINGLE, MIXED COLORS.** A mixture of the largest and most brilliantly colored single varieties. Pkt. 5c; ¼ oz. 12c; oz. 35c.

**PANSIES**

Seed sown in February or March in boxes in the house will produce fine flowers all the summer and all through the fall. If flowers are desired early in the spring seed should be sown in August and the plants wintered in cold frames, but such plants do not stand summer heat well.

Seed sown in the open ground in the spring will produce flowering plants in August and September, and these plants may be wintered over with a slight protection of leaves for early flowers the next spring. For Pansy Plants, see below.

**FOR BEST PANSY MIXTURES** See page 67.

**Trimardeau or Giant Pansies.** These are among the largest pansies grown.

The flowers are of good colors and of good form, and the plants make a vigorous growth and flower continuously. A very satisfactory variety. Pkt. 10c; ¼ oz. 50c; oz. \$1.75.

**STRIPED AND MOTTLED PANSIES.** This class comprises some of the most interesting and attractive pansies, the flowers being striped and marked with a great variety of colors, making them very interesting and beautiful. Pkt. 10c; 3 pkts. 25c; ¼ oz. 35c.

**Orchid-Flowered Pansies.** A very unique and beautiful class of pansies, distinguished particularly for their delicate and beautiful coloring and peculiar form. The flowers are of medium size and of distinct shape, the two upper petals being elongated and stand upright, and they are beautifully veined with darker shades on light ground colors. All lovers of pansies should try this new class. Pkt. 10c; 3 pkts. 25c.

**Fairy Queen.** A beautiful sky blue pansy edged with pure white. A most charming variety and one that flowers most profusely. Everyone should have at least a few plants of this variety, as the color is an unusually handsome shade of violet blue. Pkt. 10c.

**Snowflake.** A snow white pansy with flowers of the largest size and handsomest form. The finest white pansy we have seen. Pkt. 10c.

**GOLDEN YELLOW PANSY.** This is a beautiful pure yellow pansy, of large size and very handsome. Everyone should have a few plants of this variety. Pkt. 10c.

**MIXED COLORS.** A good mixture of nice pansies. Pkt. 5c; 3 pkts. 12c; ½ oz. 60c.

**Pansy Plants.** Our Pansy Plants are grown from seed sown in February, and are much superior for summer flowering to plants wintered over and sold while in flower in the spring. Such plants flower well for a few weeks but will not stand hot weather. Our plants will bloom through the summer and fall. Plants ready May 15. The only variety we raise is Johnson's Giant—the very finest pansies we know of. 35c per doz.; 100 plants \$2.50.



Shirley Poppies

**ADMIRAL POPPY.** The flowers are large and are produced on stems nearly 2 feet long. The color combination is clear white, edged with a broad band of brilliant scarlet around the edge. This is one of the most showy and attractive poppies we have ever seen. Pkt. 5c; 3 pkts. 12c.

**CARDINAL. New Hybrids.** Very large, double poppy of the Carnation-flowered type; as round as a ball and of various shades of color. The plants are of dwarf or compact growth and produce their large ball-like flowers in great profusion and continue to flower an unusually long time. Pkt. 5c; 3 pkts. 12c.

**DOUBLE CARNATION.** Immense globular flowers borne on long stems. The flowers are so double that they are as round as a ball and are of many brilliant colors. Pkt. 5c; 3 pkts. 12c.

**TULIP POPPY.** The flowers much resemble a bright scarlet tulip, and are very unique and attractive. They are produced on long slender stems and protrude well above the foliage. A bed or mass of these poppies presents a most gorgeous blaze of color and will be an ornament to any garden. Pkt. 5c; 3 pkts. 12c.

**DANEBOG or DANISH CROSS.** Large single brilliant scarlet flowers with a pure white spot at the base of each petal which forms a white cross. Very handsome. Pkt. 5c; ¼ oz. 15c.

**ENGLISH SCARLET FIELD.** The scarlet field poppy that grows so commonly in English fields. Pkt. 5c; ¼ oz. 12c.

**PERENNIAL POPPIES.** See page 89.

### PHLOX DRUMMONDI

Phlox makes a magnificent show in beds and masses where their brilliant and varied colors produce a gorgeous effect. Very easily raised and afford a bright display of flowers all through the summer. Sow seed in the open ground in the spring. A light soil is best. All three kinds named below are of the improved "Grandiflora," or large flowering strain, which produce much larger flowers than the old kind.

**BRIGHT SCARLET.** Flowers large and of an intensely brilliant scarlet color. Pkt. 5c; ¼ oz. 30c.

**PURE WHITE.** Large, clear white flowers. Pkt. 5c; ¼ oz. 30c.

**MIXED COLORS.** A great variety of the most brilliant colored and beautifully marked flowers. A bed or border of these phlox is a beautiful sight. Pkt. 5c; ¼ oz. 25c; oz. 75c.

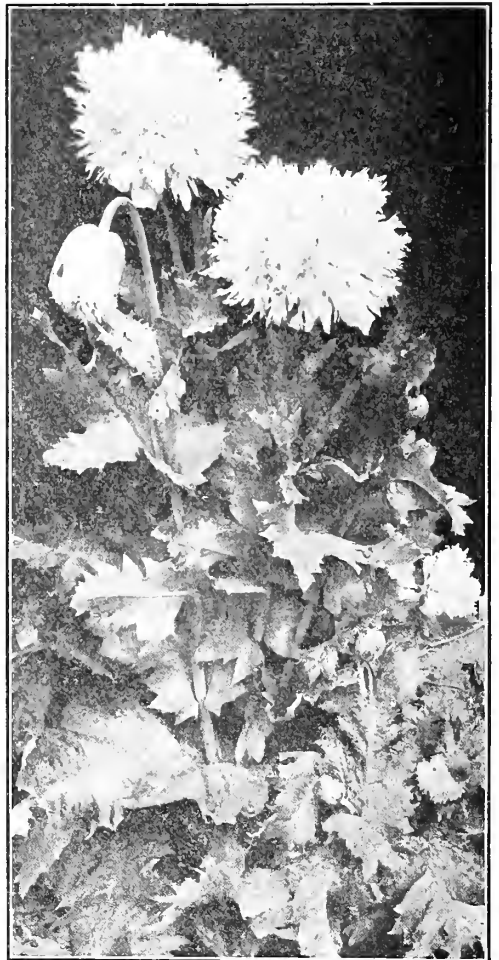
### POPIES

Poppies are so easily grown and present so gorgeous a display of beautiful colors and graceful flowers that everyone should have them in abundance. The flowers are much handsomer if the seed is sown in August or September, and the plants allowed to stand over winter. They will then flower early in the summer.

**Shirley Poppies.** These are the most delicately colored and graceful of all poppies. The flowers are single and semi-double, and are produced on long, slender stems; but their great beauty lies in the exquisite coloring of the flowers which are of many delicate shades of pink and rose color, often shading in a single flower from pure white to deep rose. Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

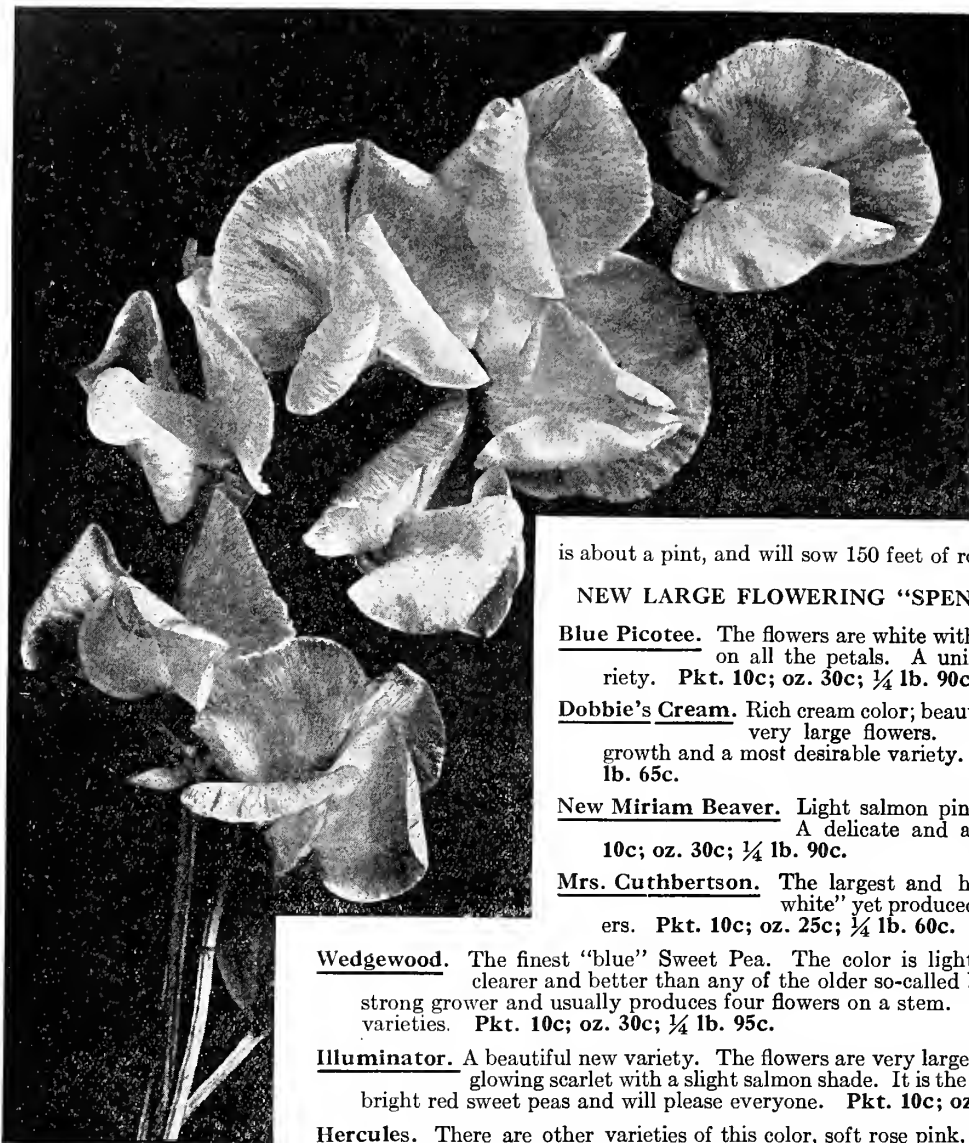
**DOUBLE RANUNCULUS FLOWERED.** Very handsome double flowers, growing on long slender stems. They are of bright, attractive colors, and produce a charming effect where grown in clumps or masses. One flower (the double one) is shown in the picture of Shirley Poppies. Pkt. 5c; 3 pkts. 12c.

**KING EDWARD.** A very showy poppy of large size and brilliant scarlet color shaded with crimson and with black at the base of each petal in contrast to which stand out the bright yellow anthers in the center of the flower. The plants grow 2½ feet high and flower profusely. Pkt. 10c; 3 pkts. 25c.



Double Carnation Poppy





Mrs. Hugh Dickson

a great profusion of very large flowers on long stiff stems—generally four to a stem. Do not miss this. Pkt. 10c; oz. 30c; ¼ lb. 90c.

**Rosabelle.** Another magnificent new variety much like Hercules in size and vigor but the color is much deeper, being a charming shade of deep rose. There is a white spot at the base of the petals which helps to intensify the color. Pkt. 10c; oz. 30c; ¼ lb. 90c.

**MARGARET ATLEE** A beautiful new variety of a charming shade of light pink. The color is really rose pink on a cream ground with a salmon shade at the base of the petals. The flowers are of the largest size and handsomest form, many being duplex or semi-double. We regard this as the very finest light pink sweet pea. Pkt. 10c; oz. 30c; ¼ lb. 95c.

**Vermillion Brilliant.** A most beautiful bright scarlet sweet pea. The color is clear and brilliant and does not fade. The flowers are of perfect form and of the largest size. Pkt. 10c; oz. 30c; ¼ lb. 85c.

**Mrs. C. W. Breedmore.** Color primrose, edged with deep pink. The flowers are large and are produced in the greatest profusion. Pkt. 10c; oz. 20c; ¼ lb. 65c.

**Thomas Stevenson.** The color is a beautiful orange-scarlet. The flowers are of the largest size and there are usually four on a stem. One of the best red varieties. Pkt. 8c; oz. 20c; ¼ lb. 60c.

**Mrs. Hugh Dickson.** Apricot pink on cream-colored ground. The flowers are unusually large, and the stems long and strong, with four, and sometimes even five, flowers. Certainly one of the best of the light pink varieties. Pkt. 10c; oz. 20c; ¼ lb. 65c.

**Asta Ohn.** The color is a soft pinkish lavender, a charming shade. The flowers are produced on long stems, and each stem carries four flowers almost uniformly. Pkt. 8c; oz. 25c; ¼ lb. 75c.

## Sweet Peas

Sweet peas are very easy to raise and everyone should have them in the garden. The principal thing is to sow the seed early—just as soon as the frost is out of the ground. They do well in almost any soil if it is made rich with manure, but the finest flowers are obtained on rather heavy, moist land.

### QUANTITY OF SEED REQUIRED

An ounce of seed will sow about 10 feet of row. A pound of sweet peas

is about a pint, and will sow 150 feet of row.

### NEW LARGE FLOWERING "SPENCER" VARIETIES

**Blue Picotee.** The flowers are white with a picotee edge of blue on all the petals. A unique and charming variety. Pkt. 10c; oz. 30c; ¼ lb. 90c.

**Dobbie's Cream.** Rich cream color; beautifully waved edges and very large flowers. Of unusually vigorous growth and a most desirable variety. Pkt. 10c; oz. 25c; ¼ lb. 65c.

**New Miriam Beaver.** Light salmon pink shaded deeper pink. A delicate and attractive color. Pkt. 10c; oz. 30c; ¼ lb. 90c.

**Mrs. Cuthbertson.** The largest and handsomest "pink and white" yet produced. Very pleasing flowers. Pkt. 10c; oz. 25c; ¼ lb. 60c.

**Wedgewood.** The finest "blue" Sweet Pea. The color is light blue-lavender, much clearer and better than any of the older so-called blue varieties. A very strong grower and usually produces four flowers on a stem. One of the finest new varieties. Pkt. 10c; oz. 30c; ¼ lb. 95c.

**Illuminator.** A beautiful new variety. The flowers are very large and the color is bright glowing scarlet with a slight salmon shade. It is the most brilliant of all the bright red sweet peas and will please everyone. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

**Hercules.** There are other varieties of this color, soft rose pink, but none equal in size and beauty the new Hercules. The vines are of remarkable vigor and produce

**King Edward Spencer.** The King Edward has been long considered the best bright red sweet pea. This new "Spencer" variety is of almost the same brilliant scarlet color and in addition is much larger and has beautifully waved petals. It is truly a magnificent variety. Pkt. 10c; oz. 25c; ¼ lb. 80c.

**White Spencer.** Described by a well-known authority as "the finest white sweet peas in existence at the present time." The large flowers are of the "Spencer" form and have waved petals. Our seed is of a carefully selected strain. Pkt. 10c; oz. 30c; ¼ lb. 70c.

**YARRAWA.** Although this new variety is especially adapted to forcing it is also magnificent when grown in the open ground. It comes into bloom a week or more before other kinds, and the flowers are larger, handsomer and more beautifully formed. The color is deep pink on a cream ground. The effect is a charming light pink.

When well grown the flowers are immense, being 2½ in. across with long, strong stems holding 4 flowers all beautifully waved on the edges. Pkt. 12c; oz. 80c.

**SPECIAL OFFER.** We will send 1 packet each of any 6 of the Spencer Sweet Peas described above for 45c. Any 12 varieties for 85c; or 15 varieties for \$1.00.

We will send 1 ounce each of any 5 varieties (except Yarrowa) for \$1.00, or ½ ounce each of any 10 varieties (except Yarrowa) for \$1.00.

**"Spencer" Varieties Mixed.** This is a mixture of many of the "Spencer" varieties described above, and others not listed, and are mixed so as to give some flowers of each kind and a large proportion of the best colors. This mixture is far superior to the ordinary mixed Spencer Sweet Peas grown together without much regard to varieties or color. Pkt. 8c; oz. 18c; ¼ lb. 50c; lb. \$1.75.

## GRANDIFLORA SWEET PEAS

These have large handsome flowers, but the petals are not waved like the Spencer varieties.

**PRICE** of any of the following Grandiflora varieties: Pkt. 5c; oz. 12c; ¼ lb. 30c; lb. \$1.00.

**HENRY ECKFORD.** Scarlet, with an orange shade, a most brilliant and beautiful flower. In addition to this the flowers are of the largest size and are produced on long stems so that they are very effective when bunched.

**FLORA NORTON.** A light blue or lavender variety that is one of the best of its color. The flowers are large and of handsome form, and the color is very attractive, especially when massed by itself. Commences to flower very early.

**JANET SCOTT.** Color a soft, rich pink. One of the most attractive and beautiful varieties; flowers of large size, hooded form and produce three and four on a stem.

**LADY GRISEL HAMILTON.** Clear lavender. A very pleasing soft color.

**DOROTHY ECKFORD.** A fine pure white flower of large size and great substance. It is of vigorous growth and produces three flowers on a stem.

**PRIMA DONNA.** Very pretty shade of clear light pink. "BRILLIANT BLUE" (Lord Nelson). A deep purplish blue. This is the same as Lord Nelson.

**KING EDWARD VII.** Large flowers of an intensely bright crimson. One of the finest pure red varieties.

**PRINCE OF WALES.** Bright rose-colored flowers of large size and handsome form growing three and four on a stem.

**Grandiflora Varieties Mixed.** This mixture is composed of the choicest and best named varieties. The different colors are put in such proportions as to produce the best effect when in flower. We are sure this seed will give the best of satisfaction to all who sow it. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.

## PETUNIAS

There are few flowers that give such a constant display of bright colors as the Petunia. They start to flower early in the summer and are constantly in bloom until fall. The improved large-flowering kinds are really beautiful flowers and are well worth the little extra trouble to raise.

**FOR BEST LARGE-FLOWERING PETUNIAS** see page 68.

**Giants of California.** These are the largest single petunias with flowers often 5 inches across. They are of many shades of pink, lavender, violet, etc., all beautifully marked and veined with deeper colors. Many have yellow in the throat which gives a bright look to the flowers. These are very handsome petunias and are well worth raising. Pkt. 20c; 300 seeds 50c.

**Fringed Hybrids.** Very charming single flowers with fringed and ruffled edges like the "Ruffled Giants," but not so large. These are beautiful petunias for beds and borders, as they produce a great profusion of bloom and are of pleasing colors, and the flowers are much larger and handsomer than the common garden sorts. Pkt. 15c; 500 seeds 25c.

## SINGLE BEDDING PETUNIAS

The plants are literally covered with bright colored flowers all summer and make a brilliant display in beds or borders. The seed may be sown in the open ground or in boxes or pots as preferred.

**HOWARD'S STAR.** The flowers are deep crimson with a large five-pointed white star in the center. Very handsome and one of the best kinds for beds, borders, etc. Pkt. 10c; ¼ oz. 40c.

**SNOWBALL.** Pure white flowers on compact bushy plants, only a foot high. Very pretty bedding plants. Pkt. 10c.

**SPECIAL MIXTURE.** Composed of the best named varieties of this class with handsome flowers of really fine colors, far superior to ordinary "Mixed Colors," which are usually the cheapest and most ordinary kinds. The colors in this mixture are white, carmine-pink, crimson (with star) and deep red. Pkt. 8c; ½ oz. 30c.

**SINGLE MIXED COLORS.** Not as good a mixture as above, but as good as any for the price. Pkt. 5c; ½ oz. 15c.

**GOOD FOR 35 YEARS!** We found the following on the bottom of an order received from Screemerville, Va.

*"I have been buying seeds from you since, I think, 1882. I was then a young man. But during all these years I have not bought a single package of seed that was not true to name, and of good quality. I have bought seeds from others that were cheaper, but poor quality. I would rather pay double price to you. They are worth it.—W. B. Warren."*





Bonfire Salvia

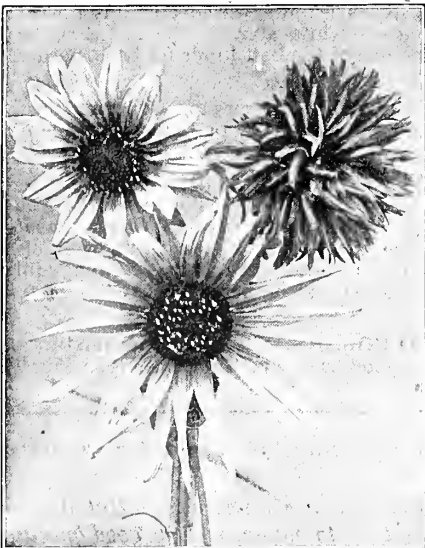
### SCABIOSA or MOURNING BRIDE "Sweet Scabiosus"

The Scabiosa is a very satisfactory flower. Seed sown in the open ground will produce flowers in August and they will continue to bloom until the snow flies, as they are hardy and are not injured by early frosts. The flowers are double and almost round and are produced on long stems two feet tall. They keep well when cut and are handsome flowers for the house.

**IMPROVED LARGE FLOWERED.** The best variety with large double flowers on long stiff stems; very showy in the garden and fine for cutting. We can furnish the following colors separate: **White, Carmine-pink, Flesh-pink, Cherry-red, Lilac, Violet,** each, pkt. 10c.

**MIXED COLORS.** A mixture of all the above named colors. Pkt. 5c; ¼ oz. 25c; oz. 80c.

### SUNFLOWER



New Miniature Sunflowers

### NEW MINIATURE SUNFLOWERS.

(See photograph.)

These small, single sunflowers make a very bright, attractive and ornamental plant. The flowers are 2½ to 3 inches across, and are produced in great profusion on long stems, which makes them excellent for cutting. Many of them are very interesting and beautiful. The petals in some cases are quilled like Cactus Dahlias, and some of the flowers are double and semi-double, while the colors range from yellow to light cream. The plants form bushes 4 to 5 feet high and are covered from top to bottom with these pretty star-like flowers. The seed we offer is a mixture of the best new varieties. Pkt. 5c; ¼ oz. 15c; oz. 50c.

**DOUBLE CALIFORNIA.** The finest double sunflower. Plants from 5 to 6 feet high, and the flowers are large, deep yellow and very double. Pkt. 5c; oz. 20c; ¼ lb. 50c.

**MAMMOTH RUSSIAN.** See page 58.

### SALVIA or Scarlet Sage

{ The plants grow about 2½ feet high and are completely covered with long spikes of brilliant scarlet flowers. Very attractive on lawns and borders and useful for cut flowers. Seed should be sown in March or April in boxes or hotbed, and the plants set out in the open ground when danger of frost is over. There is no flower that can compare with salvia in brilliancy of color and profusion of bloom.

**SPLENDENS.** Brilliant scarlet flowers borne on plants that grow 2½ to 3 feet high. Pkt. 5c; ¼ oz. 45c.

**BONFIRE.** An improved strain of the common Salvia Splendens. The plants are more compact, forming a bush about 2½ feet high completely covered with long spikes of rich scarlet flowers. This is the finest salvia we know of. Choice seed of high germination. Pkt. 5c; ¼ oz. 60c.

**DWARF SALVIA, Zurich.** The plants only grow about 18 inches high and are neat and compact, being completely covered with long spikes of flowers. Blooms earlier than other kinds and is especially valuable for planting in borders where the taller kinds would be too high. The flowers are of the largest size and cover the plants from August until frost. Pkt. 10c; ½ oz. 50c.

**SALVIA PLANTS.** See page 93.



Mourning Bride, or Sweet Scabiosus

**SNAPDRAGON (Antirrhinum)**

The Snapdragon is one of the old-fashioned flowers that has lately again become popular. It is easily raised by sowing the seed in the open ground in the spring. If the seed is sown early the plant will flower in July or August. The spikes of flowers are often a foot long and make a fine display of color.

The following varieties are all of the Improved Large flowering or Grandiflora class, which have much larger and handsomer flowers than the old varieties.

**QUEEN VICTORIA.** Pure white; very large flowers. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**ROSE.** Rose pink. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**FIREFLY.** Crimson and yellow. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**GOLDEN QUEEN.** Bright yellow; grows 18 inches tall. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**PINK.** Soft light pink. Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**STRIPED.** Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**VENUS.** Very large flowers, ivory white edged with delicate pink. Very handsome. Pkt. 8c;  $\frac{1}{4}$  oz. 25c.

**MIXED COLORS.** The above six varieties mixed. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**STOCKS**

Stocks can be grown in the open ground or in pots, and are of the easiest culture, requiring the same treatment as asters.

**TEN-WEEKS OR EARLY FLOWERING STOCKS**

**LARGE FLOWERING DWARF.** Plants grow about a foot high and the flowers are of the largest size, perfectly double and of delicate fragrance. Blooms in August if sown in the open ground in May. Pkt. 10c; 3 pkts. 25c;  $\frac{1}{4}$  oz. 75c.

**PERPETUAL LARGE FLOWERING STOCKS**

These are the handsomest stocks, growing 18 inches to 2 feet high, with long spikes of large double flowers of delicious fragrance. Seed sown in the house in March will produce plants that will flower in July and until late in the fall. Before the

Snapdragon—Venus

ground freezes the plants may be removed to large pots and will bloom in the house all winter.

**Beauty of Nice.** A very beautiful stock, growing 2 feet tall and having very large double flowers of a delicate shade of pink.

The tall branching plants are covered with long sprays of these charming sweet scented flowers, and are very handsome either in the garden or as potplants in the house. Pkt. 10c; 3 pkts. 25c;  $\frac{1}{4}$  oz. 75c.

**Bianca.** Like Beauty of Nice described above, but has pure white flowers. A very beautiful new variety. Pkt. 10c.

**Old Rose.** Same as Beauty of Nice, except in color, which is pleasing shade of red. Pkt. 10c.

**Mixed.** The above three kinds mixed. Pkt. 10c;  $\frac{1}{4}$  oz. 85c.

**Plants.** We can furnish plants of above two varieties ready the middle of May. 35c per doz.; 50 plants \$1.00.

**VERBENA**

This beautiful flower can be easily raised from seed by sowing in the open ground, and will flower in the late summer and fall, even after frost. To get early flowering plants the seed should be sown in boxes in the house and the plants transplanted to the open ground when the weather is warm.

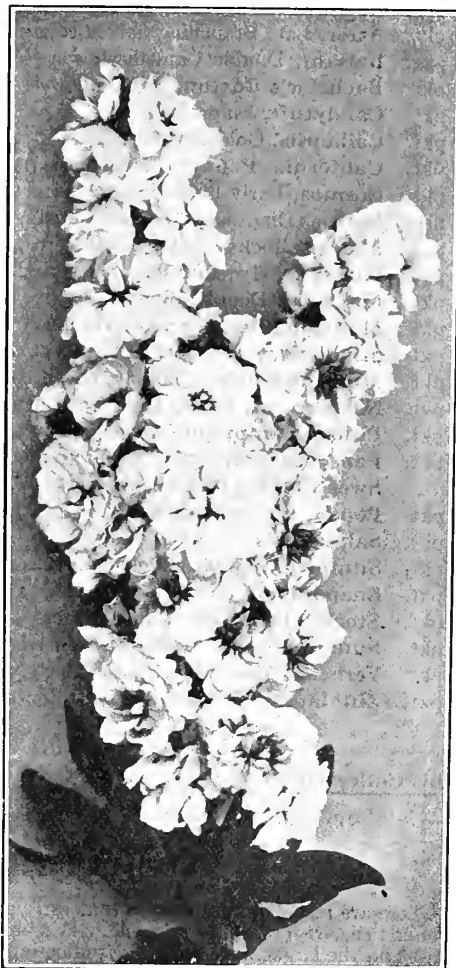
**MAMMOTH FLOWERING.** This new strain produces the largest and handsomest flowers. There are no finer verbenas in cultivation. Mixed Colors. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**WALLFLOWER**

A half hardy perennial easily grown from seed either in a box in the house or in the open ground. The plants should be taken up in the fall and raised in the house where they will flower all winter.

**LARGE FLOWERED.** Single. Mixed colors. Pkt. 5c; 3 pkts. 12c.

**COVENT GARDEN.** The finest double variety. Pkt. 10c.



Stock—Beauty of Nice



## ZINNIA

Zinnias are very easily grown and make a brilliant display of color in the garden or border all through the summer. The seed is sown in the open ground in the spring.

**CRESTED ZINNIAS.** Very handsome flowers. The petals being crimped or quilled relieves the flowers of its stiffness, which is the drawback to most zinnias. The colors are also more delicate than are found in other varieties. The flowers are perfectly double and are produced on long stems. **Mixed colors, pkt. 5c; ¼ oz. 20c.**

**DWARF DOUBLE.** Dwarf plant, with double flowers of beautiful colors. **Pkt. 5c; 3 pkts. 12c.**

**DOUBLE GIANT.** See page 69.

## WILD CUCUMBER VINE

(*Eschenocystis lobata*)

A very useful and ornamental vine to cover a porch, wall or old trees. The vines grow with remarkable rapidity and soon cover a trellis 20 feet high, and are covered with small white flowers followed by prickly seed pods which are quite ornamental. The seed should be planted very early in the spring. Cut small slits in the hard shell of the seed and soak in warm water for 24 hours before planting. **Pkt. 5c; oz 20c.**

# FLOWER SEEDS WORTH \$1.75 FOR \$1.00!

## COLLECTION OF SEEDS FOR A COMPLETE FLOWER GARDEN

We will send the following collection of Flower Seeds, which amount to \$1.75 at our regular prices, for \$1.00, postpaid. The collection consists of the following varieties, all of which are easily grown in the open ground by simply sowing the seed in the spring in good soil. These are the very finest varieties we have and will produce beautiful flowers if given proper care.

	Regular price
1 pkt. <b>Aster, Peerless Pink</b> .....	<b>\$0.10</b>
1 pkt. <b>Aster, Late Branching, mixed colors</b> .....	<b>.10</b>
1 pkt. <b>Balsam, Double Camellia-flowered, mixed</b> .....	<b>.08</b>
1 pkt. <b>Bachelor's Button, or Cornflower, Double mixed colors</b> .....	<b>.10</b>
1 pkt. <b>Candytuft, Empress</b> .....	<b>.05</b>
1 pkt. <b>Calliopsis, Golden Wave</b> .....	<b>.05</b>
1 pkt. <b>California Poppy (Eschscholtzia), mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Cosmos, Early Flowering, mixed</b> .....	<b>.05</b>
1 pkt. <b>Pinks (Dianthus), Double Japan, mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Four O'Clocks (Marvel of Peru), mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Larkspur, Hyacinth-flowered, mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Marigold, Double French</b> .....	<b>.05</b>
1 pkt. <b>Mourning Bride (Scabiosus), mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Mignonette, Machet</b> .....	<b>.05</b>
1 pkt. <b>Morning Glory, Climbing, mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Nasturtium, Lobb's Improved, mixed</b> .....	<b>.05</b>
1 pkt. <b>Phlox Drummondii, mixed colors</b> .....	<b>.05</b>
1 pkt. <b>Pansy, Masterpiece, or Giant Ruffled</b> .....	<b>.12</b>
1 oz. <b>Sweet Peas, mixed colors</b> .....	<b>.10</b>
1 pkt. <b>Poppy, Shirley, mixed</b> .....	<b>.05</b>
1 pkt. <b>Salpiglossis, Grandiflora</b> .....	<b>.05</b>
1 pkt. <b>Summer Cypress (Kochia)</b> .....	<b>.05</b>
1 pkt. <b>Snapdragon, mixed</b> .....	<b>.05</b>
1 pkt. <b>Stocks, Ten-Weeks, mixed colors</b> .....	<b>.10</b>
1 pkt. <b>Sunflower, New Miniature Varieties</b> .....	<b>.05</b>
1 pkt. <b>Verbena, Mammoth</b> .....	<b>.10</b>
1 pkt. <b>Zinnia, Double Giant, mixed colors</b> .....	<b>.05</b>

**\$1.75**

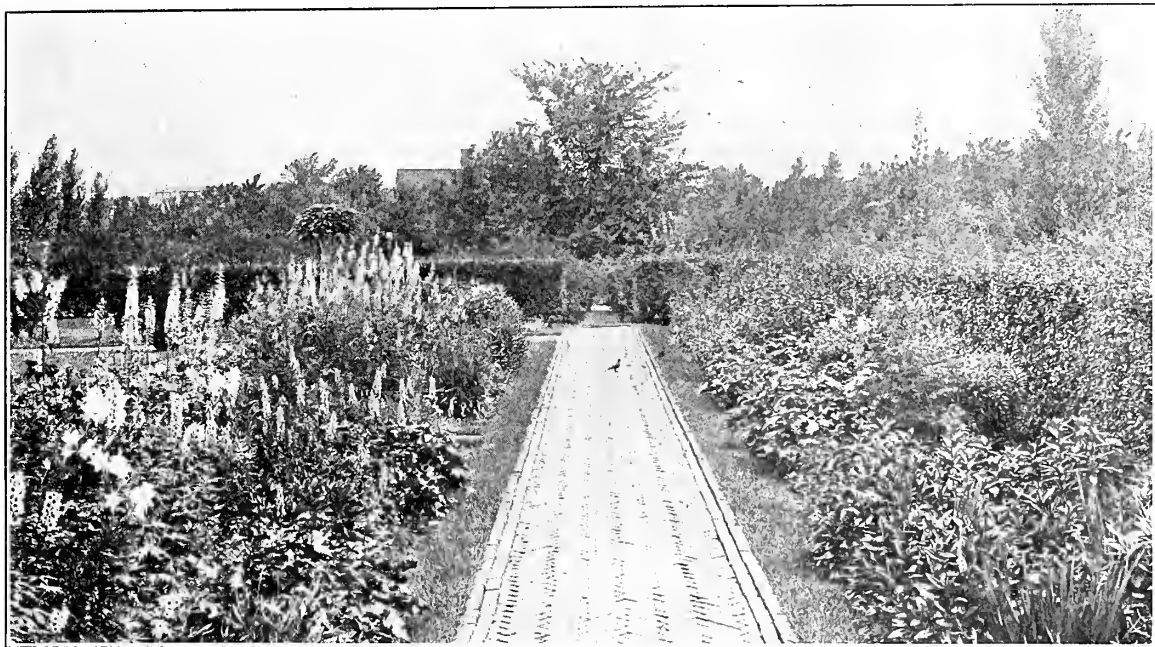
**This Collection \$1.00.** As these collections are put up ready to send off we cannot change them in any way. **NO DISCOUNT** of any kind can be allowed on this collection of Flower Seeds. In ordering simply say "Special Collection of Flower Seeds, \$1.00."

## SEEDS FOR A WILD FLOWER GARDEN

There are many annual flowers that can be grown as easily as weeds. Seeds of such flowers simply scattered on the ground in a corner of the garden will make a pretty display of flowers. Of course the soil must be fairly good and free from grass and the larger weeds must be pulled out during the season.

We have made up a mixture of seeds of the hardiest annual flowers that will bloom from early summer until late in the fall. These are not wild flowers. **Pkt. 5c; oz. 35c.**

## HARDY PERENNIAL FLOWERS, SEEDS AND PLANTS



There is nothing in the way of flowers that gives so much real satisfaction as a good assortment of Hardy Perennials. When well arranged a long border will be a constant bloom from early spring until snow flies. New colors and forms appear, as others fade, so there is always something of interest and beauty throughout the entire season.

In arranging a border or group it is well to consider the height and general form of each kind of plants. Tall growing varieties should of course be placed in the back ground with the lower ones in front. The time of blooming and the colors are also important considerations. Some kinds do best in shade while others require full sunlight, so the adaptability of each plant to its position should be considered.

**PERENNIALS FROM SEED.** Most of the hardy perennials can be raised from seed. Many kinds may be sown in the open ground during the summer, but the seed of others is best sown in frames or flats where conditions of light and moisture can be better controlled.

Our little pamphlet on the cultivation of vegetable and flowers gives more complete direction than we can here. It will be sent free with any order amounting to 50c or more.

**PLANTS OF PERENNIAL FLOWERS.** We can offer plants of some varieties that will bloom this season and increase in beauty for some years afterwards. All the plants are of our own growing in the open ground, with one or two exceptions, and will give excellent results.

## ACHILLEA

**PTARMICA, DOUBLE, "BOULE DE NEIGE."** This is a new variety resembling the well-known Achillea "Pearl," but a distinct improvement. The flowers are more full than the Pearl and appear more nearly clear white; hence its name, "Boule de Neige" (Ball of Snow). The plants are 2 feet high and are covered from June until October with a great profusion of small double pure-white flowers in clusters. It is a most satisfactory plant for borders and also for cut flowers.

The plants are perfectly hardy and will increase and spread rapidly. Plants. 15c each; doz. \$1.25; 50 plants \$3.00.

## ACONITUM (Monk's Hood)

**NAPELLUS BICOLOR.** Erect growing plants with spikes of large blue and white flowers. The plants are 3 to 4 feet high and are very ornamental. Succeeds well in the shade and is valuable for such places where other plants do not grow well. Easily raised from seed. Care should be taken that the tuberous roots are not eaten by children or animals, as they are poisonous. Pkt. 10c; ¼ oz. 35c.

## ANEMONE (Windflower)

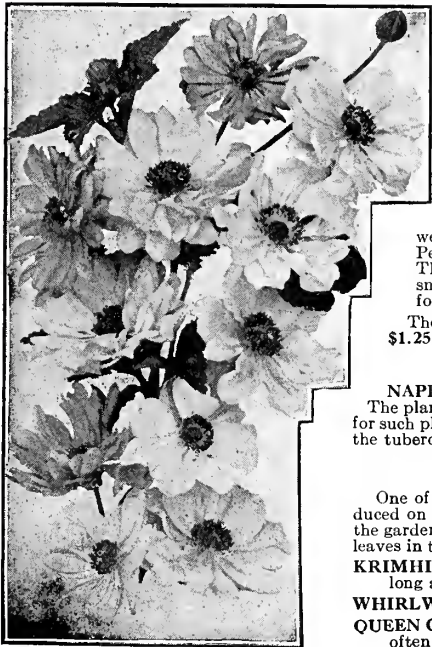
One of the most beautiful and useful of the hardy autumn-flowering plants. The flowers are produced on long, slender stems well above the plant and are extremely graceful and ornamental both in the garden and as cut flowers. The plants are perfectly hardy and need only a slight covering of leaves in the fall.

**KRIMHILDE.** Large semi-double flowers of a charming shade of soft rose pink. The petals are long and somewhat curled and twisted, which adds to the beauty of the flowers.

**WHIRLWIND.** Semi-double, pure white flowers produced in clusters and in great profusion.

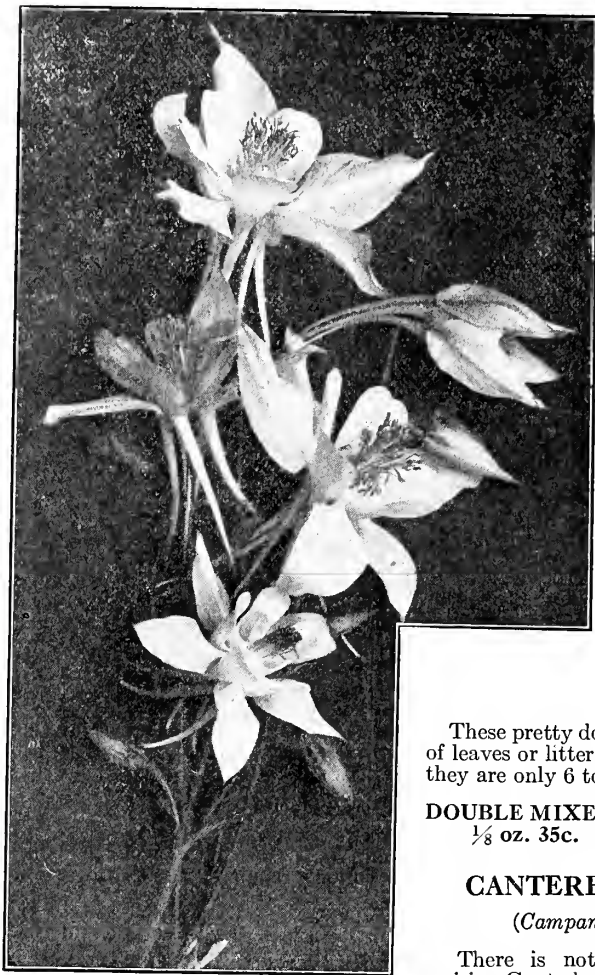
**QUEEN CHARLOTTE.** This is one of the finest anemones we have seen. The flowers are very large, often four inches across, while the color is a silvery pink, like a La France rose. They are usually semi-double and are produced in great abundance during the fall.

Price of any of the above varieties, strong plants. 3 for 40c; doz. \$1.40.



Anemones





**Columbine**—Large-flowering Hybrid

sown in the spring will produce plants which can be carried through the winter in any protected place where the snow usually gathers and where there is shade from direct sun shine.

We can furnish plants that will flower this summer if set out in good, rich soil. The plants are 2 to 3 feet high and are completely covered with large, bell-shaped flowers of various colors.

**Single Blue.** Pkt. 10c;  $\frac{1}{8}$  oz. 20c.

**Single, White.** Pkt. 10c;  $\frac{1}{8}$  oz. 20c.

**Single, Rose.** Pkt. 10c;  $\frac{1}{8}$  oz. 20c.

Plants of all the above colors, 10c each; doz. \$1.00; 50 plants \$3.00.

**CUP AND SAUCER.** (*Calyanthema*). The flowers of this variety differ from the ordinary single type in having a very large calyx which looks like a saucer for the cup-like center.

The flowers are very large and handsome. Seed only. **Mixed Colors.** Pkt. 10c;  $\frac{1}{8}$  oz. 25c; (no plants to offer).

### Plants by Parcel Post

We will deliver flowering plants ordered by the dozen, or smaller quantities, by parcel post without extra charge.

When ordered in quantities of 50 or 100 they should be sent by express, as they will go more safely and at less expense.

When seeds and plants are ordered together in the winter, the seeds will be sent at once and the plants later when it is time to set them out.

## AQUILEGIA OR COLUMBINE

Very graceful and beautiful flowers which grow on long stems well above the delicate clump of foliage. They are valuable plants for the border or in any out of the way corner where they will bloom year after year in increasing quantities. They do well in partial shade.

**CHRYSANTHA.** Long-spurred, large, handsome golden flowers. A charming variety. Pkt. 10c.

Plants. 10c each; doz. \$1.00.

**LARGE FLOWERING HYBRIDS.** Very large flowers with long spurs which add greatly to their grace and beauty. The colors are shades of blue, pink, and yellow. Pkt. 10c;  $\frac{1}{4}$  oz. 55c.

Plants. 10c each; doz. \$1.00.

**COERULEA.** Flowers of the largest size and of a beautiful shade of violet blue, with white centers. One of the very handsomest single varieties. Pkt. 10c; 3 pkts. 25c.

**MRS. SCOTT ELLIOTT'S LONG SPUR STRAIN.** A very choice selection of varieties with the longest spurs and most attractive colors. The long graceful spurs add greatly to the charm of these flowers. There are no finer Columbines grown. Pkt. 20c; 2 pkts. 35c.

**DOUBLE, MIXED COLORS.** The double-flowered kinds are not as large as the single varieties, and in our opinion are not as handsome. Pkt. 5c; 3 pkts. 12c.

## BELLIS, OR DOUBLE DAISY

These pretty double daisies are quite hardy and need only a little protection of leaves or litter. They are especially useful for edges of borders or beds, as they are only 6 to 8 inches high. Blooms from April to August.

**DOUBLE MIXED COLORS.** Composed of pink, white and rose. Pkt. 10c;  $\frac{1}{8}$  oz. 35c. Plants. 10c each; doz. 85c; 50 plants \$3.00.

## CANTERBURY BELLS

(*Campanula medium*)

There is not much difficulty in raising Canterbury Bells if they are treated as biennials and new plants set out each fall or spring. Seed



**Canterbury Bells**

## OTHER CAMPANULAS OR BELL FLOWERS

Both the kinds given below are hardy and will last for a number of years. They do best in a rich soil and partial shade. They are very handsome plants remaining in flower a long time.

**PERSICIFOLIA** or **PEACH BELLS**. One of the most beautiful varieties, grows 2 to 3 feet high and has large blue bell-shaped flowers. Blooms in June and July. Pkt. 10c; 3 pkts. 25c.

**PYRAMIDALIS**. Called "Chimney Bell-flower." Grows 4 to 5 feet tall with long stately spikes of large porcelain-blue flowers. Commences to bloom in August and continues for over a month or more. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.

## COREOPSIS

**LANCEOLATA GRANDIFLORA**. A grand hardy flower that succeeds everywhere and blooms all summer and fall. The flowers are 2 inches across, bright golden yellow with brown centers. They grow on long, graceful stems and are very handsome on the plant, as well as for cutting. They will last a week after being cut. The plant grows 2 to 3 feet high and in two years will form a large clump. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.

Plants. 10c each; doz. \$1.00; 50 plants \$3.00.

## HARDY CHRYSANTHEMUMS

These small, hardy varieties produce a great profusion of blooms late in the fall after most other flowers have been killed by frost.

Plant in a sheltered spot, such as by the side of a wall or building with a southern or eastern exposure if possible.

The plants may be taken up, placed in large pots or tubs in the house during the winter and will flower for a long time. Plants that are left in the open ground will usually come through the winter all right, and form large clumps increasing in size each year.

**BABY**. Small, bright yellow flowers, very full and round and cover the plant from top to bottom. Flowers only  $\frac{1}{2}$  to  $\frac{3}{4}$  inch in diameter. Very pretty.



Campanula, "Peach Bells"



Hardy Chrysanthemums

**KLONDIKE**. Golden yellow flowers of a deeper color and a little larger than Baby.

**DIANA**. Small, round, white flowers; very handsome.

**JULIA**. Small orange-scarlet flowers. Very bright.

**TENNYSON**. Light pink, large, handsome "aster-flowered" variety.

**QUEEN OF WHITES**. Creamy white; large and double.

**PRICE**. Strong field-grown plants, 12c each; \$1.25 per dozen; 25 plants, assorted varieties \$2.25.

**NOTE**. When plants are sent by mail it is necessary to add postage sufficient to carry 3 pounds for each dozen plants if the earth is left on the roots. If earth is removed they weigh only 1 pound per dozen. We can send them either way.

## DELPHINIUM OR HARDY LARKSPUR

Very ornamental plants, producing long spikes of brilliant blue flowers. Easily raised by sowing the seed in the open ground either in the spring or August and thinning the plants so that they stand two feet apart. Seed sown early in the spring will sometimes produce plants that flower in the fall. But to get good blooming plants the first year the seed should be sown in boxes in March, or earlier, and the seedlings transplanted to other boxes or "flats" when an inch high. Set the plants 3 or 4 inches apart and keep growing fast until the ground outside is ready. Set out 6 inches to a foot apart. Mark the best plants and transplant them the following spring where they can be left for years undisturbed.

**SEMI-DWARF HYBRIDS**. The spikes of flowers are often two feet long and the flowers are of beautiful shades of blue, ranging from light blue to the deepest indigo. The plants do not grow quite as tall as the old kinds, and have longer spikes of flowers. Pks. 10c;  $\frac{1}{4}$  oz. 50c.

**PLANTS**. Field grown, strong. 15c each; doz. \$1.50.

**CHINESE (Sinense)**. Very large gentian-blue flowers on stems 18 inches to 2 feet high. Blooms the first season if sown early. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

## SHASTA DAISY

This new daisy originated in California and has met with great popularity. Flowers are like the wild Marguerites, but very much larger, often measuring four inches across, and are produced well above the plant on long graceful stems 1 to 2 feet in length, making very handsome flowers for vases and decorations.

If the seed is sown in the open ground in the spring good large plants will be obtained for flowering the following year.

**ALASKA**. A much improved variety of Shasta Daisy with very long overlapping petals of the purest white. Well grown flowers are often 5 inches across. Pkt. 10c; 3 pkts. 25c.

**PLANTS**. Strong, field-grown plants that will bloom this year, 10c each; doz. 75c; 50 plants \$2.25.





Forget-Me-Not, "Royal Blue"

**FORGET-ME-NOT (Myosotis)**

A half hardy perennial easily grown from seed. It does best in a moist, partly shaded situation. Flowers the first season if sown early, and will live over winter if given a covering of leaves or other light protection, and will last for a number of years. The seed may be sown in early spring or during the summer.

**PALUSTRIS.** The true Forget-Me-Not. Charming blue flowers with white centers. Pkt. 5c; 3 pkts. 12c.

**ROYAL BLUE.** A beautiful new variety of Alpine Forget-Me-Not with very large flowers of a deep blue—a richer color than other kinds. A fine variety for pot culture as well as the open ground. Pkt. 8c; 3 pkts. 20c. Plants 10c each; doz. 85c.

**MIXED COLORS.** Composed of Alpine varieties of various colors, including white, pink and different shades of blue. Pkt. 5c; ¼ oz. 25c. Plants 10c each; doz. 75c.

**FOXGLOVE (Digitalis)**

These old-fashioned flowers are handsome raised as a back-ground for lower growing kinds. The tall stately spikes of flowers are ornamental and beautiful.

**GLOXINIOIDES.** The handsomest variety, with very large gloxinia-like flowers. We offer this variety in both pure white and mixed colors.

**White.** The most pleasing color; the large white flowers stand out in marked contrast to the green foliage. Pkt. 8c; 3 pkts. 15c.

**Mixed Colors.** All the best colors mixed. Pkt. 5c; ¼ oz. 15c.

Plants. Field-grown, 15c each; doz. \$1.50.

**GAILLARDIA (Blanket Flower)**

The hardy single Gaillardias are easily raised in any good soil and bloom continually from July until late in the fall. The flowers are deep crimson edged with gold and stand up on long stems, making most graceful and ornamental flowers both in the garden and when cut.

**GRANDIFLORA.**

The improved large-flowering variety. Pkt. 5c; ¼ oz. 20c.

**PLANTS.**

Strong, field grown 10c each; doz. \$1.10.



Foxglove

**GYPSOPHILA (Baby's Breath)**

There are two similar varieties of "Baby's Breath." *Elegans* is an annual and not as handsome as the hardy variety *Paniculata* which blooms earlier and lasts longer after cutting. (For the annual variety, see page 65).

**PANICULATA.** Very pretty, small, pure white flowers very effective when grown among other flowers or arranged with them when cut. Every complete garden should have some for this purpose, especially when flowers are raised for market. The plant grows 2 to 4 feet high, forming a small bush. Pkt. 5c; ¼ oz. 20c.

Plants. Strong field grown, 10c each; doz. \$1.00; 50 plants \$3.00.



Gaillardia grandiflora

**HOLLYHOCKS**

It is easy to raise beautiful, double Hollyhocks if you get the right seed. Sow the seed in the early summer and set out the plants where they are to grow in October or November, and they will make strong, vigorous plants the next summer.

**CHATER'S SUPERB.** A magnificent strain of hollyhocks. The flowers are of the largest size, perfectly double, and grow close together on the stem, forming a long spike of the most beautiful flowers equal to camellias. These are undoubtedly the finest double hollyhocks grown.

We can furnish the following colors separate, and also mixed:

White. Pkt. 10c;  $\frac{1}{4}$  oz. 35c. Rose. Pkt. 10c;  $\frac{1}{4}$  oz. 25c. Yellow. Pkt. 10c;  $\frac{1}{4}$  oz. 25c. Maroon. Pkt. 10c;  $\frac{1}{4}$  oz. 25c. Mixed Colors. Pkt. 8c;  $\frac{1}{4}$  oz. 20c.

**SINGLE.** Single hollyhocks are more vigorous and resist rust better than the double, and are very handsome. Mixed Colors. Pkt. 5c;  $\frac{1}{4}$  oz. 15c.

**KUDZU VINE**

(*Pueraria thunbergiana*)

A hardy perennial vine of remarkably rapid growth, and valuable for covering arbors, old trees, verandas, etc. The foliage is luxuriant and handsome and the flowers are bright purple, of small size and produced in clusters.

The seed may be sown in the spring and the vines will grow 10 or 20 feet the first season, dying down in the winter, and the next season will grow 40 feet or more. Pkt. 10c.

**LUPINE** (*Lupinus*)

There are only a few really good blue flowers, and the Lupine is one of them. The flowers grow on long spikes standing 3 feet high and well above the handsome foliage. They are in bloom during most of June in the North, and in May further South. They are perfectly hardy.

**POLYPHYLLUS**—Blue. Pkt. 5c;  $\frac{1}{2}$  oz. 20c.

**POLYPHYLLUS**—Mixed Colors. Blue, white and pink. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**HARDY POPPIES**

**ORIENTAL.** These magnificent poppies make a brilliant display of color in the garden in May and June, and are very handsome, as cut flowers.

The flowers are cup-shaped and as large as a small bowl—6 inches or more across, and grow on long, stiff stems 3 to 4 feet high. The color is fiery scarlet.

If raised from seed it should be sown in the spring and the plants set out in August or September where they are to remain for several years undisturbed.

Pkt. 10c;  $\frac{1}{4}$  oz. 20c.

Plants. 15c each; doz. \$1.50.

**Oriental Hybrids.** These new hybrids vary in color. A considerable proportion are scarlet like the original Oriental, but some are of various shades of pink, lilac and rose, and are very handsome and interesting. Pkt. 15c;  $\frac{1}{4}$  oz. 50c.

**Iceland Poppies.** They flower the first year if seed is sown early in the spring. The flowers are single and of beautiful colors, shading from deep yellow and scarlet to white. They stand in bold relief above the low growing plants on graceful stems a foot or more in length and have a delicate fragrance. They are perfectly hardy and will flower for a number of years. Mixed colors. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**NOTE.**—While these Iceland Poppies will flower the first year from seed sown in the spring, they do best if sown in August or September when they flower early in the following season.

**PERENNIAL CANDYTUFT**

(*Iberis Sempervirens*)

A very handsome border plant producing large heads or spikes of pure white flowers early in the spring. It is perfectly hardy and is well adapted for cemeteries as well as for edges and borders in the garden. One foot high. Pkt. 10c.

**PYRETHRUM OR "PAINTED DAISY"**

(*Pyrethrum roseum hybridum*)



Pyrethrum, or "Painted Daisy"

A charming flower of early culture and should be more generally grown.

The picture shown here is a photograph of a part of a clump on our own grounds from seed sown the year before. The beauty of the flowers is in their coloring, which cannot be reproduced here. They are like large daisies, but of various shades of pink, deep red and purple and make a pretty show in the garden and very handsome cut flowers, having stems  $1\frac{1}{2}$  to 2 feet long. The plants are perfectly hardy and will last for years, flowering most of the summer.

Pkt. 10c; 3 pkts. 25c.

Plants 10c each; doz. \$1.00.

**HARDY PHLOX**

One of the most satisfactory of all hardy flowering plants. When planted in groups or clumps they are magnificent and remain in flower nearly all summer, one season of bloom succeeding the other closely.

The plants should be set out 18 inches apart in good, rich soil if possible and the ground should be kept well cultivated. The plants we offer are all **strong field grown**.

**RICHARD WALLACE.** White, with large violet eye, fine.

**F. G. VAN LASSBURG.** The finest pure white phlox, with individual flowers as large as a half dollar.

**SIR EDWARD LANDSEER.** Bright crimson, very handsome.

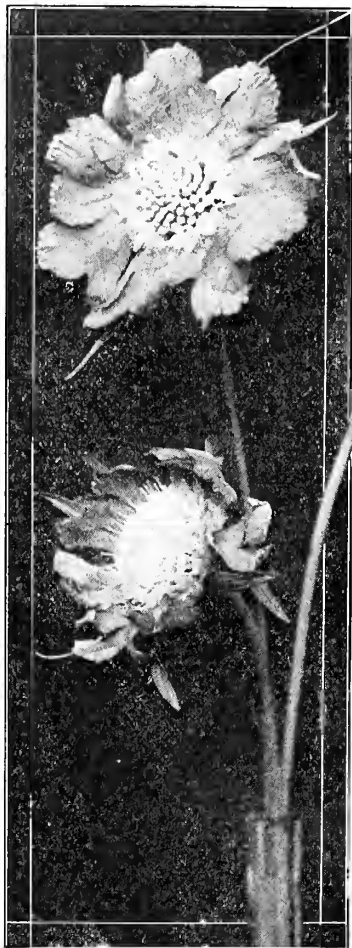
**MME. BEZANSON.** One of the very finest, bright-red varieties. Considered the best of this color.

**LE MADHI.** Deep Velvety purple.

**LUMINEAUX.** Light rose pink with crimson eye.

**PLANTS.** Field grown. 15c each; doz. \$1.50.





Scabiosa Caucasica

**Scarlet Beauty.** A beautiful new variety with bright scarlet flowers: very showy and effective. Pkt. 10c;  $\frac{1}{4}$  oz. 65c.

**Mixed Colors.** Includes all the very finest single varieties. Pkt. 5c;  $\frac{1}{2}$  oz. 15c.

**PLANTS.** Mixed Colors. They will flower this year. Each 10c; doz. 75c; 50 plants \$2.50.

## HARDY GRASS OR SPICE PINKS

These hardy fragrant Pinks were always to be found in the old gardens, and are still great favorites. The plants we offer are field grown and will flower this year.

**Dwarf Double Pinks.** These are the old-fashioned "Grass Pinks," but are larger and of better colors than the old kind. The flowers are very double and of a rich spicy fragrance. The plants grow about a foot high and produce a great many flowers. Pkt. 10c;  $\frac{1}{8}$  oz. 35c.

**Plants—Dwarf Double.** Each 10c; doz. \$1.00.

**Cyclops Pink.** The flowers are single and semi-double and borne in great profusion from May until frost, after the plant is established; and if the seed is sown early in boxes or hotbed, they will flower the first season. The plants grow from 12 to 15 inches high, and are valuable for bedding as well as cutting. The flowers are of beautiful shades of red and deep pink and are very fragrant. Pkt. 10c;  $\frac{1}{8}$  oz. 30c.

## SCABIOSA

**CAUCASICA.** Very handsome flowers either for the garden or house. They last a long time after cutting and are very attractive flowers, being of a beautiful shade of light lavender blue and have graceful stems. 18 to 20 inches long. They commence to bloom last of June and continue through September. Perfectly hardy. Pkt. 15c;  $\frac{1}{8}$  oz. 40c.

**PLANTS.** Field grown plants, 20c each; doz. \$2.00.

## PERENNIAL OR HARDY SWEET PEAS

(*Lathyrus*)

The hardy sweet pea will last for years when once established. The vines grow six feet or more in length and are covered for months with flowers which grow on upright stems holding six to eight blossoms. A very ornamental vine for covering fences, walls, etc.

**Mixed Colors, white and rose pink.** Pkt. 5c; oz. 30c.

## SWEET WILLIAMS

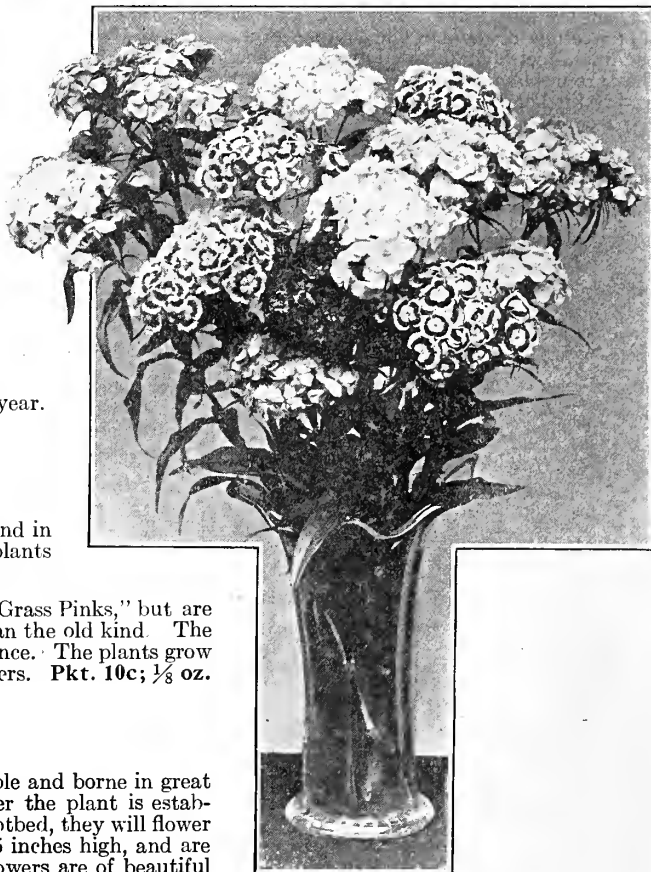
The improved large-flowered varieties of Sweet William produce a wonderful display of color and are very attractive in beds or borders as well as for cut flowers. Seed should be sown in the spring or summer, and the plants may be transplanted in the fall or following spring, so they stand about a foot apart. They are perfectly hardy.

The "Perfection" strain we offer has the very largest flowers and the clearest and most desirable colors. Plants grow 18 to 20 inches high.

**PERFECTION, White.** Large, white flowers. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**Maroon.** A rich color. Pkt. 5c;  $\frac{1}{4}$  oz. 20c.

**Newport Pink.** Very pretty shade of salmon. Pkt. 5c;  $\frac{1}{4}$  oz. 25c.



Sweet Williams

## FLOWERING BULBS FOR SPRING PLANTING

The following bulbs are not hardy and should be taken up in the fall after they are through flowering. The bulbs may be dried and kept in a frost-proof place over winter and set out again in the spring.

### BEGONIAS

These large flowering tuberous begonias are magnificent plants for beds in the open ground. One who has not seen them can hardly imagine the brilliant and gorgeous effect produced by their large, richly colored foliage and their waxy flowers of bright and varied colors. If the bulbs are started early the plants will commence to flower in July and continue in constant bloom until frost. The flowers are from 3 to 4 inches across and are produced in great profusion, almost covering the plant from sight. The bulbs should be started about the first of April in small pots plunged in boxes of earth in the house or hotbeds, and well watered. Plants can be set out in the open ground as soon as all danger of frost is over. Begonias do best in partial shade.

**SINGLE VARIETIES.** We offer four colors—scarlet, white, pink and yellow. Four bulbs, one of each color, 20c; dozen bulbs, your selection of colors, 45c; \$3.00 per 100.

**DOUBLE VARIETIES.** Handsome large flowers that resemble a small rose. Same colors as above. One bulb of each color (4 bulbs) 25c; dozen, your selection of colors, 60c; 50 bulbs for \$2.25; 100 for \$4.00.

### NEW VARIETIES OF TUBEROUS BEGONIAS

**BERTINI.** A beautiful single variety for bedding. The flowers are brilliant red (vermilion) and stand well above the foliage on graceful stems. Produces a great number of flowers and is unequalled for beds and borders. Each 12c; dozen \$1.00.

**LAFAYETTE.** A grand double begonia for bedding as it produces a brilliant display of fiery scarlet flowers standing well above the plants on upright stems. Blooms all summer. Each 12c; dozen \$1.00.

### CANNAS

For lawn decoration there is no plant equal to the improved varieties of cannas. Their bright, luxuriant foliage and long spike of brilliant flowers make a beautiful display in beds and borders. The roots should be started in pots in the house or hotbed in March or first part of April and the plants set out in the open when danger of frost is past. Or the roots may be set out in the open ground about May 1 in this latitude, but will not flower so early. The following are among the newest and best varieties of large-flowering cannas for bedding.

**Firebird.** By far the best red canna with green foliage. The flowers are immense and of a glowing bright scarlet. Grows 4½ feet tall. Each 15c; doz. \$1.50.

**LONG BRANCH.** A grand new orchid-flowering canna with immense flowers of a bright crimson, edged with a wide irregular band of gold. One of the very best of the newer kinds. Green foliage; 5 feet.

**WM. SAUNDERS.** Another new variety, considered the best bronze-leaved canna for bedding, as it grows only 3½ feet high and produces immense flowers of a glowing crimson-scarlet color often 5 inches across. Each 15c; doz. \$1.25.

**BRANDYWINE, Bronze leaves, red flowers.** One of the finest, dark-leaved cannas. The flowers are glowing red mottled with crimson and sometimes edged with a narrow band of gold. Four to five feet.

**SOUV. d'ANTOINE CROZY.** Brilliant scarlet flowers edged with gold. One of the most showy and attractive grown. Flowers large and abundant and do not fade in the sun. Green foliage; 4 feet.

**FLORENCE VAUGHAN.** Rich golden yellow, dotted with crimson; large and handsome flowers. Green foliage; 4½ feet.

**J. D. EISEL.** Flowers of large size and a beautiful shade of vermilion scarlet with an orange shading; one of the very finest. Green foliage; 5 feet.

**PENNSYLVANIA.** Immense flower of an intense orange-scarlet, a charming shade of color and one of the best cannas. Flowers often 7 inches across and produced in great abundance. Green foliage; 5½ feet.

**PILLAR OF FIRE.** A tall variety growing 6 to 7 feet high, with long spikes of bright red flowers held erect above the green foliage like glowing torches. A valuable kind for the center of a bed.

**JEAN TESSOT.** Most brilliant glowing scarlet. Large flowers and very handsome. One of the best we have seen. Green foliage; 5 feet.

**KING HUMBERT.** This is one of the very finest cannas yet produced. The flowers are of immense size, often 6 inches across, and the color is an intense orange-scarlet with deep red markings. The leaves are bronze-red and the whole effect is very striking. Should be in every collection. 4½ feet.

**PRICE.** Good dormant roots of the above varieties, 10c each; per doz. 75c; 50 roots \$2.75.

**BY MAIL.** Canna roots weigh 2 pounds per dozen. Add the necessary postage when the roots are to be sent by parcel post. See rates on page 6.



Canna



GLADIOLUS

Many people do not appreciate the wonderful improvement made in Gladioli during the past few years. The newer varieties are truly magnificent.

They are the most attractive, useful and easiest growers of all 'summer flowering bulbs. As cut flowers through the summer and autumn they are unsurpassed. When put in water new flowers open out every day so a good spike will last for ten days in good condition if the faded flowers are picked off.

The culture of Gladiolus is very simple, and very satisfactory results can be obtained even under the most ordinary conditions.

All that is required is fairly good soil and enough attention to keep weeds down.

The bulbs should be set out during May or first part of June. If the best spikes for cutting are wanted plant the bulbs in rows 3 feet apart and 8 inches in the row, and 4 inches deep. For mass effect, the bulbs may be set 8 to 10 inches apart in groups. Fresh stable manure should not be used. In very dry weather watering during the blooming period is of benefit.

The varieties we offer are chosen from among the hundreds of kinds now on the market because of their superior qualities. The list includes nothing but really fine varieties of the most improved type. We have eliminated all small flowered kinds and those of undesirable colors.

The bulbs we offer are all first size and will give the finest flowers this season.



Niagara



Peace

SPECIAL OFFER

We will send one bulb each of the following 13 varieties for \$1.00  
Two bulbs of each variety (26 bulbs) for \$1.75.  
Six bulbs of each variety (78 bulbs) for \$5.00.

Bulbs by Parcel Post

When bulbs are ordered sent by parcel post add postage for the following weights: 1 doz., 1/2 lb.; 100 bulbs, 5 lbs.

**DAWN** (New). One of the very finest of the new varieties. The color is salmon pink shading to white inside, and with purple markings on the lower petals. The flowers are very large and of fine form. . . . .

**PANAMA**. A most beautiful gladiolus having flowers of the largest size and graceful form, while the color is a charming shade of deep pink with a silvery luster. One of the very best. . . . .

**MRS. FRANCIS KING**. The immense flowers are of an intense vermilion scarlet that always attracts attention. The spikes of flowers are often 2 feet long with 8 or 10 flowers out at one time. . . . .

**GLORY** (Ruffled). The flowers are creamy white and the edges of the petals are beautifully ruffled. A charming variety. . . . .

**BARON HULOT**. This is considered the best blue gladiolus. The flowers are large and the color is of an indigo shade. Very unusual and handsome. . . . .

**GLORY OF HOLLAND**. Pure creamy white; large and very handsome. One of the very best white varieties. . . . .

**HALLEY**. A very early flowering variety and of beautiful coloring—salmon pink with cream white blotches striped with scarlet. Large and of fine form. . . . .

**SCHWABEN**. Decidedly the finest yellow gladiolus. A very vigorous grower producing long spikes of very large flowers 6 inches across. The color is clear canary yellow. . . . .

**PEACE**. A charming new variety almost white with lilac markings on lower petals. The flowers are immense and open nearly the whole length of the spike at the same time. . . . .

Each	Doz.	50 bulbs
\$0.15	\$1.60	.....
.08	.80	2.75
.05	.35	1.00
.10	.60	2.25
.05	.45	1.35
.08	.50	1.50
.05	.45	1.35
.10	.85	3.00
.10	.85	3.00

	Each	Doz.	50 bulbs
<b>WAR.</b> A magnificent new gladiolus that always gets much admiration. The flowers are immense and deep glowing crimson. The finest deep red gladiolus yet produced. Spikes of flowers very long and 8 to 10 flowers are out at one time. ....	.15	1.50	4.00
<b>NIAGARA.</b> Creamy white flowers with lower petals deeper yellow and the ends splashed with carmine. The throat is also marked with a spot of carmine. The flowers are very large and well expanded. One of the finest light colored varieties. ....	.10	.75	2.75
<b>MRS. FRANK PENDLETON.</b> A magnificent flower of the largest size, and a beautiful shade of color, salmon pink deepening towards the center with a bright carmine blotch in the throat. ....	.15	1.25	3.85
<b>AMERICA.</b> A beautiful variety with immense flowers of a delicate and charming shade of lavender pink. ....	.05	.35	1.25
<b>MIXTURE NO. 1.</b> This mixture is made up by mixing about an equal number of bulbs of the following handsome named varieties which comprise all the best colors: <b>Glory of Holland</b> (white), <b>Baron Hulot</b> (blue), <b>Mrs. Francis King</b> (bright red), <b>Halley</b> (salmon), <b>America</b> (light pink) <b>Panama</b> (deep pink) .....	.....	.30	1.25
<b>MIXTURE NO. 2.</b> This mixture is composed of all the varieties described above including the best new kinds, such as <b>Dawn</b> , <b>War</b> , <b>Schwaben</b> , etc., which usually sell for much higher prices. ....	.....	.60	2.25
<b>POSTAGE EXTRA.</b> If bulbs are to be sent by mail add for postage on ½ pound for each dozen bulbs, or 5 pounds for 100 bulbs.			

## TUBEROSES

Tuberoses are very easily raised in the open ground in the summer, and are very ornamental. The flowers have an intensely sweet fragrance. The bulbs should be set out as soon as the soil is warm in the spring, and will flower in August and September. They can also be raised in pots in the house.

**EXCELSIOR DWARF PEARL.** The best variety. Flowers large, pure white, double and crowded on the stalk. Large bulbs, 8c each; 35c per doz.; 2 doz. for 60c. Add for postage at the rate of 1 pound per dozen bulbs.

## PLANTS OF ANNUAL FLOWERS

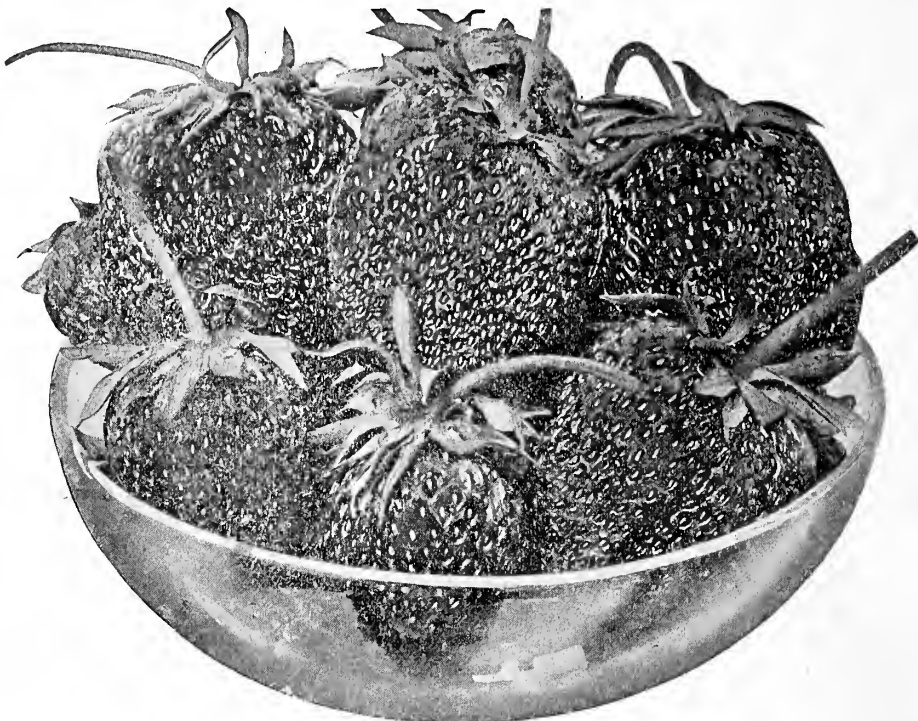
The following plants are annuals (except Pansy) and will bloom early in the summer. They will be ready to send on the dates given below, and cannot be sent earlier.

	Doz.	50	100
<b>ASTERS.</b> Strong plants of the following varieties ready June 1st: <b>Crego Pink</b> , <b>Crego White</b> , <b>Royal Purple</b> , <b>Peerless Pink</b> , <b>Rose King</b> , <b>Violet King</b> , <b>Lavender Rochester</b> , <b>Semple's Branching</b> (mixed colors). Ready May 15th. ....	\$0.30	\$1.00	\$1.75
<b>CARNATION.</b> <b>Giant Marguerite.</b> Will bloom in the open ground all summer. Ready May 15th. ....	.40	2.00	.....
<b>HELIOTROPE.</b> Large flowering. Grows 2 feet tall with very large flowers. Ready May 15th. ....	.60	1.50	.....
<b>LARKSPUR.</b> Tall Branching, Mixed Colors. Long spikes of double flowers, pink, lavender, blue and white. Ready May 15th. ....	.25	.80	1.50
<b>PANSY.</b> <b>Johnson's Giant, Mixed Colors.</b> These plants will bloom in the summer and fall, and if protected will live over winter and flower very early in the spring. Ready May 15th. ....	.35	1.30	2.50
<b>PETUNIAS.</b> <b>Harris' Perfection Double.</b> Beautiful large double flowers. (See description, page 73). Plants ready May 15th. ....	.75	.....	.....
<b>SALVIA or Scarlet Sage.</b> <b>Bonfire.</b> These are beautiful plants for beds on the lawn, or around the sides of houses. There is no more attractive plant for this purpose. Strong plants ready May 15th. ....	.70	2.50	.....
<b>STOCKS.</b> <b>Beauty of Nice.</b> Double pink flowers on long spikes; very fragrant. Ready May 15th. ....	.30	1.00	.....
<b>Bianca</b> , white, fragrant. Ready May 15th. ....	.30	1.00	.....
<b>SNAPDRAGON.</b> Mixed Colors. Strong plants ready May 15th. ....	.40	1.50	.....
<b>ZINNIA.</b> <b>Double Giant, Mixed Colors.</b> These plants will flower early and continue in bloom all summer, making a gorgeous display of color. Ready May 15th. ....	.25	.80	1.50

**POSTAGE EXTRA.** When plants are to be sent by parcel post postage must be added to cover cost of mailing.

**WEIGHTS ARE AS FOLLOWS:** Asters, Carnations, Heliotrope, Larkspur, Petunia, Stocks and Snapdragon, Doz. ½ lb.; 50 plants 2 lb.; 100 plants 5 lb. Salvia and Zinnia, Doz. 1 lb.; 50 plants 3 lb.; 100 plants 5 lb.





Early Jersey Giant Strawberry (Photograph)

## STRAWBERRY PLANTS

Our strawberry plants are all of our own growing from plants set out last spring, and are strong, thrifty plants with good roots. They are shipped the same day they are dug and reach the purchaser in the best possible condition.

The best time to set out strawberries is in the spring, when they will grow all summer and form a good bed of plants that will bear profusely the following year.

The plants should be set out in good rich soil in rows 3 to 3½ feet apart and a foot apart in the row. It is best to set out the plants as soon as the ground can be gotten into good condition in the spring, but they will do very well if set out as late as the middle or last of May.

**SAFE DELIVERY GUARANTEED.** We assume all risks of the plants reaching the purchaser in good condition. If the plants are not satisfactory and in good order when received we must be notified at once, and the matter will be adjusted to the satisfaction of the purchaser. But it must be distinctly understood that we will not hold ourselves responsible for the treatment of the plants after they are received by the purchaser. Perfectly good plants are often ruined by improper planting or unfavorable weather after they are set out. Our responsibility ceases when the plants are delivered in good condition.

### A WONDERFUL NEW STRAWBERRY "THE SHERMAN"

We have never raised a strawberry quite equal to the Sherman. The plants are of wonderful vigor with long, strong stems and large deep green leaves.

The berries are large, smooth, round, beautifully colored and of **high quality**. But what is more remarkable they continue to ripen for a month to six weeks, or nearly twice as long as other varieties.

The berries commence to ripen medium early, and long after other kinds are past and gone you can go to the row of Shermans and find plenty of nice big berries.

This long-season habit makes the Sherman a grand berry for the home garden as well as for market. If you have some early kind and the Sherman you will have berries from the very first to the last of the season.

**PLANTS BY PARCEL POST.** If the plants are to be sent by parcel post a sufficient amount must be added to above prices to cover the postage on the following weights: 50 plants, 1 lb.; 100, plants 2 lbs.; 500 plants (in crate), 15 lbs.

The Sherman produces wonderful crops. We believe a row of this variety will yield twice as many quarts of berries as any other kind with fruit of as high quality.

The great productiveness and healthy foliage of this berry make it a valuable one for market as well as the home garden. The berries are firm enough to stand handling well.

The flowers are imperfect and therefore should be some other perfect flowered variety planted with the Sherman to fertilize the blossoms.

**Price. Dozen 40c; 50 plants 80c; 100 plants \$1.50; 1000 plants \$10.00.**

**EARLY JERSEY GIANT.** A new variety that is not only very early but is also of **immense size**. (See photograph of a saucer). By far the **largest early berry** we have ever raised. The flavor of these great big berries is fine, being much less acid than most early kinds. The color is bright scarlet all over, colored well to the tip. The berries are hardly firm enough for shipping, but are excellent for nearby market and home use. Perfect flowers. **30c per doz.; 50 plants 75c; 100 plants \$1.25; 1000 plants \$8.50.**

**EARLY OZARK.** This is considered by good authorities the **best early strawberry**. Most early varieties have small berries of poor quality, but the Ozark has good, big, bright red berries of good flavor and smooth, handsome appearance. The plants make a strong, healthy growth and produce a lot of berries. Perfect flowers. **25c per doz.; 50 plants 60c; 100 plants \$1.00; 1000 plants \$6.50.**

**GLEN MARY.** A very productive mid-season variety with large firm handsome berries and strong, healthy, vigorous plants that produce immense crops. One of the best for market as well as the home garden. Imperfect flowers. **30c per doz.; 50 plants 75c; 100 plants \$1.00; 1000 plants \$6.50.**

**CHAMPION.** A large handsome berry of fine quality and ripens late, making an excellent kind to follow the mid-season kinds. The plants are strong, healthy and very productive. One of the best late varieties. **30c per doz.; 50 plants 75c; 100 plants \$1.00; 1000, \$6.50.**

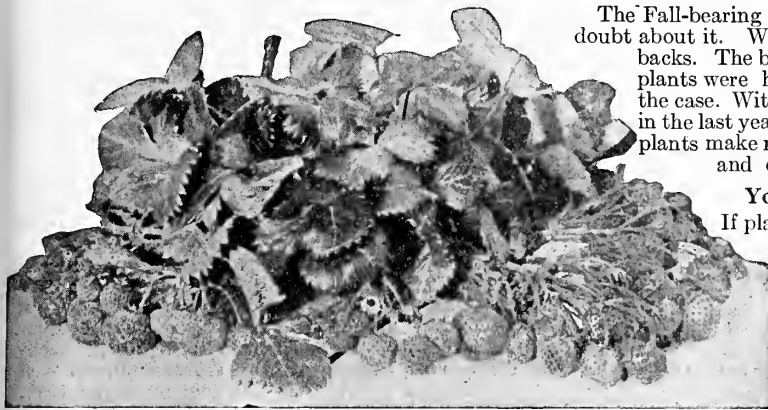
## SPECIAL COLLECTIONS OF STRAWBERRIES FOR THE HOME GARDEN

**COLLECTION NO. 1.** This collection is composed of 125 strawberry plants of varieties best suited to the needs of those who raise strawberries for their own use, as follows: 50 plants Early Ozark, a fine early variety; 50 plants Sherman, a very fine late variety. **Price \$1.00, postpaid.**

These varieties are of fine quality and productive, and being composed of early and late kinds they will produce a continuous supply of berries from the first to the last of the season. If ordered separately these plants would cost \$1.40.

We can make no change in the quantities of varieties of which this collection is composed. The plants will be sent the day they are dug, and we guarantee they will reach the purchaser in good condition. **Order early.** The plants should be set out May 1st to 15th to get the best results.

## FALL-BEARING STRAWBERRIES



Photograph of a Single Plant of Fall-bearing Strawberries from Our Own Grounds  
Taken September 8th.

The Fall-bearing strawberries are a success — there is no doubt about it. When first introduced they had some drawbacks. The berries were not of the best flavor and the plants were hard to propagate. But this is no longer the case. With the new varieties which have developed in the last year or two there are no such troubles. The plants make runners quite freely and the vines are large and of the finest quality and high flavor.

**You Can Have Strawberries This Fall**

If plants of any of the varieties described below are set out in May they will produce an abundance of ripe fruit the middle of August and continue to bear until stopped by freezing weather. We have picked good berries up to October 24 from plants set out in May.

To get a full yield in the fall the fruit stems should be picked off as soon as the blossoms appear in the spring, and kept picked off until the first of July. Immense crops can be obtained in the fall in this way.

**REQUIRE NO SPECIAL CULTURE.** The Fall-bearing varieties are treated the same as ordinary June berries. They should, however, be planted on rather moist soil unless they can be watered, should the weather be very dry late in the summer. If the plants are set out early on nice, rich, moist soil and kept free from weeds they will produce an abundance of beautiful berries during August, September and October. It is a good plan to apply a little nitrate of soda when the plants get well started in the spring. This stimulates a heavy growth and helps the plants to set a good crop of berries.

**NOTE.**—To get a good crop of berries the first year, the plants must be set out early. Do not wait until June, but order the plants early and set them out by the first of May in the North, and earlier farther south.

**Progressive.** This new Fall-bearing berry has proved superior in many ways to the older kinds. The berries are of delicious flavor being fully equal to the best June berries, which cannot be said of the older kinds. The berries are of good size, though not quite as large as Superb, and of a deep red. The flavor is rich, sprightly and delicious. The berries retain their fine flavor until late in the fall. The plants are vigorous and healthy and produce immense crops. With this new variety anyone can have delicious strawberries during August, September and October. The flowers are perfect. **Price, 50c per dozen; 50 plants \$1.50; 100 plants \$2.75.**

**SUPERB.** The berries are very large, smooth and handsome and of good flavor. The berries are often  $1\frac{1}{2}$  inches across or  $4\frac{1}{2}$  inches around. The plant is a vigorous grower with large, deep green foliage that never rusts. The flowers are perfect. The plant makes a fair number of runners. While the flavor of these berries is not equal to the smaller ones of the "Progressive" yet they are so large and handsome they sell better in market. **Doz. 50c; 50 plants for \$1.50; 100 for \$2.75.**

## GARDEN TOOLS, ETC.

**Lang's Hand Weeder.** A very useful tool for hand weeding. A boy with one of these weeders can do twice as much work in a day as he could without it. **Price 25c each; 3 for 60c.**

**Garden Line.** Good strong hemp garden line, 50 feet, 30c; (by mail, 35c); 100 feet, 60c; 200 feet, \$1.00. Weight, 2 lbs.

**Garden Stalks or Labels.** Very useful for marking the name of seeds sown in the garden or hotbed; stalks 12 inches long, the best size for garden use. 15c per doz.; 75c per 100.

**Pot Labels.** Four inches long. 20c per 100; \$1.00 per 1000.





## VEGETABLE PLANTS

We raise large quantities of cabbage, cauliflower, celery, tomato and other plants, and aim to have them of superior quality to the plants usually sold.

The plants are all carefully packed and we guarantee their safe arrival in good condition.

We shall be glad to quote special prices on large lots if you will let us know the kinds and quantities required.

**BY PARCEL POST AND EXPRESS.** We can send plants by parcel post if the necessary postage is added to the price. See rate, page 6.

Cabbage, Cauliflower, Brussels Sprouts and Celery weigh 2 pounds per 100. Tomato, Egg Plant and Pepper plants—1 pound per dozen. Large lots go cheaper and safer by express.

**Cabbage Plants.** Early transplanted plants, ready April 15 to May 15. These plants are well hardened and will stand frost without injury. They are far superior to plants grown in frames without transplanting. Such plants, of course, can be sold much cheaper. Varieties: Early Jersey Wakefield, Enkhuizen Glory, Copenhagen Market. 15c per doz.; 75c per 100; \$6.00 per 1000.

**Field-grown plants,** all leading varieties, ready from June 20 to July 20. 25c per 100; \$1.50 per 1000; 5000 or more at \$1.10 per 1000. Please write for prices on large lots stating quantity and varieties required.

**Cauliflower.** Early transplanted plants, ready May 1. Early Snowball. 25c per doz.; \$1.25 per 100.

**Field-grown plants,** ready June 20 to July 20.

Snowball and Danish Giant or Dry Weather. 15c per doz.; 65c per 100; \$3.75 per 1000.

**Celery.** Early transplanted plants, ready middle of May. Golden Self-Blanching and White Plume. 75c per 100; \$5.00 per 1000.

**Field-grown,** strong, stocky plants of the following varieties: Golden Self-Blanching, Easy Blanching, White Plume, French's Success, Giant Pascal and New Rose, ready last of June, or first of July. 35c per 100; \$2.00 per 1000. Write for prices on larger lots.

**Brussels Sprouts.** Field-grown plants, ready June 20. Doz. 15c; 65c per 100.

**Egg Plant.** As these plants are easily injured in transplanting we raise them in pots and wrap the ball of earth in paper so as not to disturb the roots except when sent by mail when part of the earth is removed. Black Beauty, ready May 25. 75c per dozen; 50 plants for \$2.50.

**Pepper.** Strong transplanted plants ready last of May. Varieties: Harris' Earliest, Ruby King, Neapolitan, Bell or Bull Nose, New Giant Cayenne. 20c per doz.; \$1.25 per 100; \$11.00 per 1000.

**Tomato.** Our tomato plants are strong and stocky and are well hardened, and are much superior to plants taken directly out of greenhouses. Varieties: New Extra Early Earliana, John Baer, Bonny Best, Success, Stone, Dwarf Champion, Truckers' Favorite, Ponderosa and Golden Queen (yellow). 20c per doz.; \$1.25 per 100; \$9.00 per 1000.

**UNTRANSPLANTED TOMATO PLANTS** from the seed bed. Nice little plants ready to set out in frames or pots; all above varieties, 50 plants 20c; 100, 35c; 1000, \$2.00. Weight packed for mailing, 1 pound per 100 plants.

These untransplanted plants are not ready to set out in the open ground but must be transplanted into frames or boxes where they can grow for a few weeks.

## INSECTICIDES AND FERTILIZERS

**Arsenate of Lead.** We find this a much better and cheaper poison than Paris green for use on potatoes, apple trees, etc. 1-lb. can 35c; 12½-lb. pails \$2.50 each; 25-lb. pails \$4.75; 50-lb. kegs \$9.00; 100-lb. kegs \$17.50. Write for prices on larger lots.

**TOBACCO DUST.** Tobacco dust is an excellent material for keeping bugs off cucumber, melon and squash vines. The dust should be applied when the leaves are wet so that it will adhere to them. It should be used in liberal quantities. For fumigating greenhouses the tobacco dust we sell is most excellent. It burns evenly and will light without the use of kerosene. 5 lbs. will fumigate a house 25 x 100 feet. 5-lb. package 35c; 10-lbs 55c; 50 lbs. or more at 5c per lb.

**FORMALIN (Formaldehyde, 40 per cent).** A valuable disinfectant for destroying germs that cause diseases in plants. It is very effective when used to destroy smut germs in oats and scab on potatoes. To treat oats use 1 pint formalin to 50 gallons of water and soak ten minutes. For potatoes use 1 pint to 30 gallons and soak two hours. Pint 40c; quart 75c; gallon jug \$2.25.

**SULPHO-TOBACCO SOAP.** For killing aphides or lice on roses and other plants we have found nothing so effective and convenient as Sulpho-Tobacco soap. Directions for use are printed on the cover of each cake. A 3-oz. cake makes 1½ gallons, and an 8-oz. cake 4 gallons of the solution. 3-oz. cakes 10c; 8-oz. cakes 20c.

**LAMBERT'S DEATH TO LICE.** This is the most effective remedy for killing lice on poultry we have found. Death to Lice is a powder and is easily applied to the fowls by dusting it through the feathers. It kills the lice within a few minutes after applying. It should be used on setting hens and young chickens as soon as hatched. It is perfectly harmless and will not injure the most delicate chickens. 15-ounce cans 25c. Full directions for use are printed on each can.

**WHITE HELLEBORE.** The best remedy for currant and cabbage worms. Apply dry or in water. Per lb. 85c.

**Nitrate of Soda.** This is the most soluble and quickly available form of nitrogen or "ammonia." It is of great benefit in forcing a strong, luxuriant growth in plants. It is especially valuable for cabbage, cauliflower, beets, carrots, onions, tomatoes, potatoes and similar crops, as well as for grass and grain. It can be advantageously used as a top dressing after plants are up. It is immediately available to the plants when applied.

Gardeners should always have some nitrate of soda on hand and use it whenever they want to promote a quick, strong growth in plants. A little nitrate dissolved in water at the rate of about a tablespoonful (1 oz.) to 2 gallons of water will stimulate a rapid growth either when applied to plants in frames, greenhouses or the open ground. If your plants don't grow well, try a little nitrate on them—but don't use too much. 10 lbs. 65c; 50 lbs. \$4.00. Please write for price. The price varies very much at different times.

[illegible]



**MORETON FARM, COLDWATER, N. Y.**

**Ck., M. O., E. O., Cash, Stamps**

Please do not write in above space

**Amount of Order \$.....**

Postage - - - \$.....

**Total Remittance \$.....**

Please state below whether you raise vegetables for home use or for market.

Date.....1918

**IMPORTANT**—If the seeds or other articles ordered are to be sent by **Parcel Post** do not forget to add the necessary amount for postage. See rates on page 6 of catalogue. Quarts of Beans, Corn and Peas weigh 2 lbs., pints 1 lb., pecks 15 lbs.

CONDITIONS OF SALE—If the seeds here ordered should prove not true to name, or of inferior quality, we will refund the money paid for them or replace them without extra charge, but all our Seeds and Plants are sold on the distinct understanding and with the agreement by the purchaser that we will not be liable for any loss or damage that may occur by reason of the failure of the Seeds or Plants to grow or to be of the variety or quality ordered. We will not accept or fill orders on any other terms.—J. H. Co.

[illegible]





[illegible]

**If your order includes seeds in “packets” amounting to \$1.00 you may select seeds in “packets” amounting to 35¢ extra without charge, if given below.**

**Do you want our pamphlet giving culture directions?    Ans. ....**

# BUFF ORPINGTON CHICKENS



Moreton Farm Buff Orpingtons—Cockerel and Pullets

These are magnificent fowls. Handsome to look at, good layers and delicious to eat—surpassing any other breed in this respect.

The chickens grow remarkably fast. In ten weeks they often get to weigh 3 pounds, and at six months they weigh 7 to 8 pounds. When fully matured the cocks weigh 9 to 10 pounds.

For the table there is no breed equal to the Buff Orpingtons. The flesh is tender, juicy and delicious. Anyone who wants to raise the best chickens for his own table or to sell to particular customers should raise Buff Orpingtons. They ought to pay well at the present high price for meat.

The young chickens are remarkably healthy, vigorous and strong.

The pullets start to lay when only six months old. We have had pullets hatched the last of May commence laying the middle of November. They lay well all winter.

They lay a good size brown egg which hatches well, and the chickens are very strong and vigorous.

Our Buff Orpingtons were raised from some of the best stock in the country and are fine, large, vigorous birds, perfectly pure-bred and high class in every way. The color of our flock is remarkably good, being much more uniform than is usual with this breed. There are very few flocks, even those of the best breeders who charge high prices, that can compare with the Moreton Farm flock in size, vigor and beautiful golden buff color.

Mr. Thos. Brazier of Vermont writes February 14, 1917:

*"I just dressed two Orpington hens; one weighed 8¾ pounds and the other 9¼ pounds dressed. They cannot be beat for meat."*

**COCKERELS, Extra Fine** .....\$5.00 each

These are the very finest birds we have; practically perfect in every way.

**Cockerels, good utility stock** .....\$2.75 each; 2 for \$5.00

These are large, vigorous, pure-bred cockerels, but have some slight defects in color of plumage or other minor points that make no difference for practical purposes.

**Pullets, first class** .....\$2.25 each

One of our customers in West Springfield, Mass., writes January 30, 1915.

*"You may remember I got 50 Buff Orpington eggs from you last May. I hatched 29 chicks and raised 25. I never had chickens grow as they did. They were so good when we had our poultry show in Springfield I entered a pen and got first prize. I sold an old breeder a pullet for \$10.00 and have sold him two cockerels since."*—T. R. P.

**Eggs.** The eggs we offer are from carefully selected birds and will produce Buff Orpingtons of the highest class.

1 setting	15 eggs	\$1.50.	50 eggs	\$3.50
2 settings	30 eggs	\$2.50.	100 eggs	\$6.50



# Some of the best Gladioli

MRS  
FRANCIS  
KING

SCHWABEN

AMERICA MRS FRANK  
PENDLETON

DAWN

GLORY

PANAMA

BARON J. HULOT

## SPECIAL OFFER

One bulb each  
these eight choice  
varieties 60¢ postpaid.  
Two bulbs of each  
kind for \$1.00 postpaid